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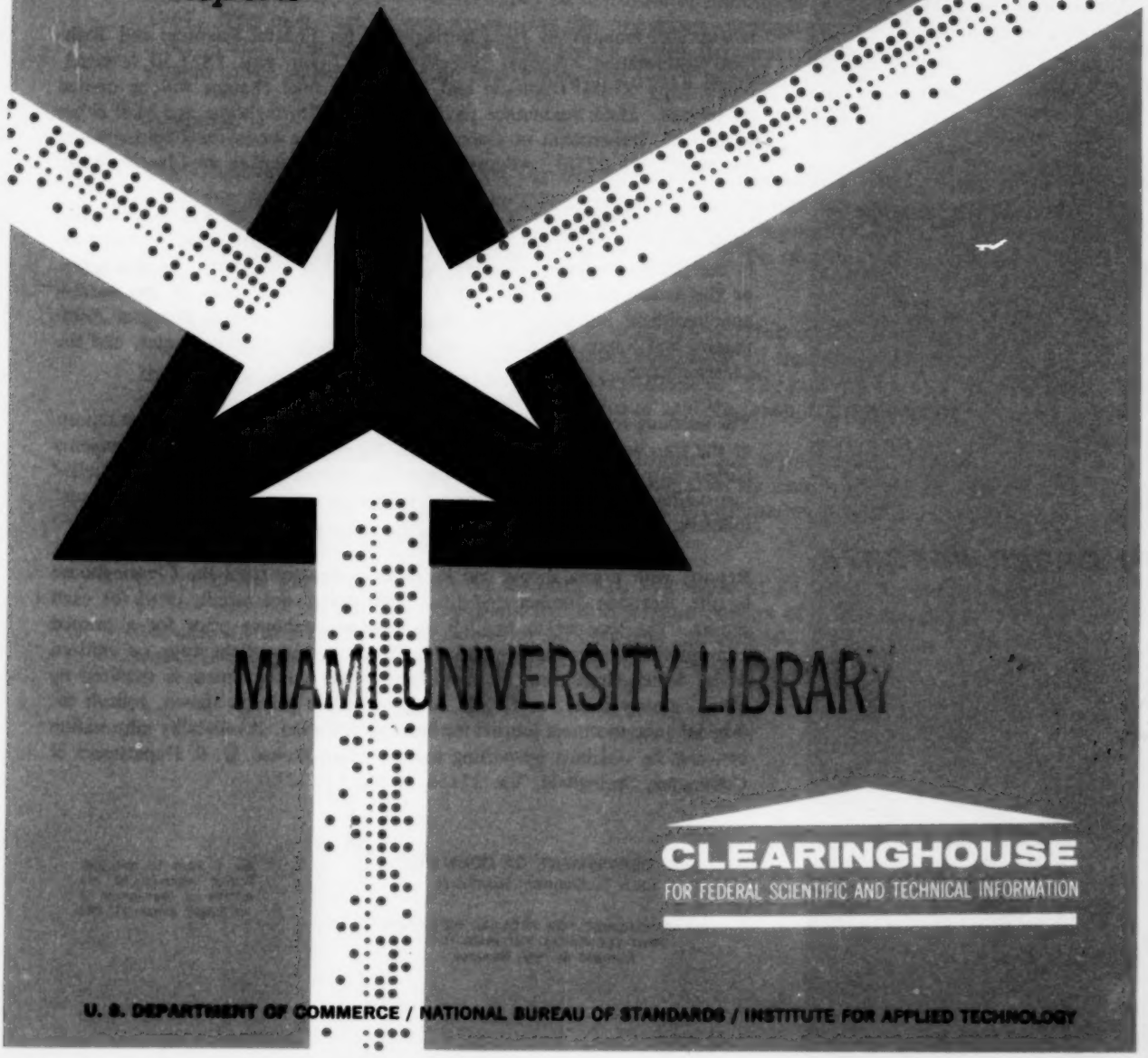
# GOVERNMENT-WIDE INDEX

to Federal Research & Development Reports

FEB 7 1967



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*Government-Wide*

# INDEX TO FEDERAL RESEARCH AND DEVELOPMENT REPORTS

*UNCLASSIFIED REPORTS ANNOUNCED IN*

NUCLEAR SCIENCE ABSTRACTS (NSA)
Atomic Energy Commission

SCIENTIFIC & TECHNICAL AEROSPACE REPORTS (STAR)
National Aeronautics and Space Administration

TECHNICAL ABSTRACT BULLETIN (TAB)
Defense Documentation Center

U.S. GOVERNMENT
RESEARCH & DEVELOPMENT REPORTS (USGRDR)
Clearinghouse for Federal Scientific and Technical Information

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**PURPOSE**

*Government-Wide Index* is published to satisfy a need for a single reference guide to new unclassified Government-sponsored research and development in the physical sciences, engineering, and related technology. It also serves as the index to *USGRDR*. It is compiled from records of the current announcement journals of the Atomic Energy Commission, National Aeronautics and Space Administration, Defense Documentation Center, and the Clearinghouse.

**FORMAT**

The indexing records related to Government research and development reports of the four journals are merged under the five indexes of subject, personal author, corporate author, contract number, accession/report number. Detailed instructions for using each index are presented under "How To Use Indexes" following the foreword.

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John T. Connor, Secretary

CLEARINGHOUSE FOR FEDERAL SCIENTIFIC AND TECHNICAL INFORMATION
Bernard M. Fry, Director

Use of funds for this publication approved by the Director of the Bureau of the Budget, January 27, 1965

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## FOREWORD

GOVERNMENT-WIDE INDEX TO FEDERAL RESEARCH & DEVELOPMENT REPORTS is produced by computer from machineable records generated by four Federal agencies which announce R&D reports. Machineable records from the Atomic Energy Commission, the National Aeronautics and Space Administration, the Defense Documentation Center and the Clearinghouse for Federal Scientific and Technical Information are merged to produce GWI. GWI Indexes all of the reports announced in its companion abstract journal, U. S. GOVERNMENT RESEARCH AND DEVELOPMENT REPORTS.

There are some format errors and inconsistencies in this index resulting from the machine merger of the data generated by several agencies. Efforts are being made to correct these inconsistencies. The agencies involved are working with a task group of the Committee on Scientific and Technical Information to develop improved interagency standards which will eliminate these problems.

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The access points to technical reports listed in this index include:

- Subject
- Personal Author
- Corporate Author
- Contract Number
- Accession/Report Number

Each index is arranged alphnumerically (that is, alphabetical data precedes numerical data). A typical entry is as follows:

ACOUSTIC EQUIPMENT(a)
INSTRUMENT FOR ACOUSTIC AND VIBRATION MEASUREMENTS.(b)
AD–627 041(c) 20A(d) T 66 05(e) HC$ 3.00 MF$ 0.65(f)

(a) Index entry.

(b) Title of report.

(c) Accession/report number—that number used by the announcing agency to uniquely identify the report. Use THIS number and title when ordering documents from the Clearinghouse.

(d) Field/group designation.

(e) Code for journal, volume, and issue number in which the report is announced and abstracted.

U—U. S. Government Research & Development Reports, Clearinghouse for Federal Scientific and Technical Information.

T—Technical Abstract Bulletin, Defense Documentation Center of the Department of Defense.

N—Nuclear Science Abstracts, Atomic Energy Commission.

S—Scientific and Technical Aerospace Reports, National Aeronautics and Space Administration.

(f) Clearinghouse prices for hardcopy (HC) and microfiche (MF).

# INDEXES

## ● SUBJECT INDEX

Entries are arranged by the subject terms assigned by the contributing agency (this means "asterisked" descriptors for USGRDR entries, subject headings for STAR and NSA). The subject term appears at the beginning of each entry. The title of the report is indented below the subject term. For NSA entries, the "modifier" which is assigned by AEC is used in place of the title. The "accession number" line giving field/group, journal, and price information for the report follows the last line of the title. If two or more reports are indexed under the same subject term, they are listed in accession number sequence under the term (separated by a blank line). If two or more reports under a subject term have identical titles, the title is printed once and the different accession number lines are printed below the title.

SAMPLES

ALKALINE CELLS, STORAGE BATTERIES
  DEVELOPMENT OF THE SEALED ZINC-SILVER OXIDE SECONDARY BATTERY SYSTEM.
  AD-499 798 10C U 41 09 HC$ 3.00

  AD-497 834 10C U 41 09 HC$ 3.00

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  RELIABILITY MEASUREMENTS IN GUIDED MISSILES,
  AD-626 799 16D T 66 09 HC$ 3.00 MF$ 0.65

  ELIMINATION OF SUBSTANDARD PARTS BY ENVIRONMENTAL TESTING.
  AD-626 842 16D T 66 09 HC$ 3.00 MF$ 0.65

## ● PERSONAL AUTHOR INDEX

Entries are arranged by personal author, editor, or compiler. The names are presented last name first. Title of the report (or reports) is indented below the author's name. The "accession number" line follows the title. Certain anomalies occur when sorting by computer. While true for all indexes in this journal, they are most noticeable in the Personal Author Index. The requirements of a computer sort cause "JOHNS, J.I." to appear after "JOHNSON, F.X." (the comma sorts after the O in son"), but "SMITH-JONES, A.B." will appear ahead of "SMITHERS, P.P." (the hyphen sorts ahead of the E in SMITHERS).

ADEL, ARTHUR
  EFFECTIVE RADIATION TEMPERATURES OF THE OZONOSPHERE OVER NEW MEXICO.
  AD-626 690 4A T 66 09 HC$ 3.00 MF$ 0.65

ADEN, A. L.
  BACK-SCATTERING OF ELECTROMAGNETIC WAVES FROM SPHERES AND SPHERICAL SHELLS,
  AD-626 688 20N T 66 09 HC$ 3.00 MF$ 0.65

## ● CORPORATE AUTHOR

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BATTELLE-NORTHWEST, RICHLAND, WASH. PACIFIC NORTHWEST LAB.
  PROMETHIUM ISOTOPIC POWER DATA SHEETS,
  BNWL-C-49 18N U 41 09 HC$ 3.00 MF$ 0.65

  SELECTIVE AND SENSITIVE ANALYSIS OF ACTIVATION PRODUCTS BY MULTIDIMENSIONAL GAMMA RAY SPECTROMETRY,
  BNWL-SA-137 18G U 41 09 HC$ 3.00 MF$ 0.65

A STUDY OF TUNGSTEN-TECHNETIUM ALLOYS.
BNWL-191 11F U 41 09 HC$ 3.00 MF$ 0.65

BNWL-192 11F U 41 09 HC$ 3.00 MF$ 0.65

## ● CONTRACT NUMBER INDEX

Entries are arranged alphnumerically by contract number and by grant number. Accession numbers appear in sequence with field/group, journal, and price information indented below the appropriate contract or grant number. Report titles are not included in this index.

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CONTRACT AF04(699)-917
  AD-626 765 22D T 66 09 HC$ 3.00 MF$ 0.65
  AD-626 766 22D T 66 09 HC$ 3.00 MF$ 0.65
  AD-626 767 22D T 66 09 HC$ 3.00 MF$ 0.65
  AD-626 768 22D T 66 09 HC$ 3.00 MF$ 0.65
  AD-626 769 22D T 66 09 HC$ 3.00 MF$ 0.65
CONTRACT AF19(122)-98
  AD-626 670 9B T 66 09 HC$ 3.00 MF$ 0.65

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GRANT PHS-MH-10302
  PB-169 002 6C U 41 09 HC$ 3.00 MF$ 0.65
  PB-169 003 6C U 41 09 HC$ 3.00 MF$ 0.65
GRANT PHS-PH-43-64-496
  PB-168 936 6L U 41 09 HC$ 3.00 MF$ 0.65

## ● ACCESSION/REPORT NUMBER INDEX

Entries are arranged alphnumerically by accession number assigned by the contributing agency and by technical report and monitoring agency number. Some reports have more than one number. All reports covered in this index are represented by at least one unique number. Accession numbers appear in sequence with field/group, journal, and price information on the same line; other numbers associated with the report appear in sequence followed by an indented "accession number" line. Report titles are not included in this index.

ANL-7082 18I U 41 09 HC$ 3.00 MF$ 0.65
ANL-7089 18D U 41 09 HC$ 3.00 MF$ 0.65
APA-PSIEP-10-19
  PB-169 009 8J U 41 09 HC$ 3.00 MF$ 0.65
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Volume 67 Number 1

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| SCIENTIFIC AND TECHNICAL AEROSPACE REPORTS (STAR) | Vol. 4, No. 24 |
| TECHNICAL ABSTRACT BULLETIN (TAB) | 67-1 |
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THE FLOW ABOUT A FAMILY OF SIMPLE, BLUNT AND SHARP LEADING-EDGED, TWO-DIMENSIONAL AEROFOILS AT TRANSONIC AND LOW SUPERSONIC SPEEDS.
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METHODS FOR ANALYSIS OF TWO-DIMENSIONAL AIRFOILS WITH SUBSONIC AND TRANSONIC APPLICATION, ADDENDUM.
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USE OF COST-ESTIMATING RELATIONSHIPS IN THE AIR-FRAME INDUSTRY.
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AN ANALYSIS OF AN INTEGRALLY STIFFENED PANEL.
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STUDY OF THE ALBEDO OF THE EARTH.
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UTILIZATION OF D-AMINO ACIDS BY PROTOTHECA.
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SPINOR CALCULUS IN RIEMANNIAN MANIFOLDS.
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INTRODUCTION TO THE THEORY OF STRUCTURED CATEGORIES.
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ALGEBRAIC, ANALYTIC AND DIFFERENTIABLE STRUCTURES.
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AN ALGORITHM FOR SYNTHESIS OF ASYNCHRONOUS SEQUENTIAL CIRCUITS.
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A STOCHASTIC A POSTERIORI UPDATING ALGORITHM FOR PATTERN RECOGNITION.
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STUDIES IN THE HALOGENATION OF ALIPHATIC COMPOUNDS.
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STUDY OF THE EFFECT OF SOLIDIFICATION STRUCTURES ON THE STRENGTH OF METALS.
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ELECTRON DENSITIES AND SCALE HEIGHTS IN THE TOPSIDE IONOSPHERE - ALOUETTE I OBSERVATIONS OVER THE AMERICAN CONTINENTS, VOLUME II - MARCH AND MAY 1963.
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A COMPACT, LOW-COST ALPHA COUNTER.
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REPORT ON EXPLOSIVE SIZING OF 72-INCH DIAMETER WELDED ALUMINUM PREFORMS FROM 5086, 2014 T4 AND 2014 T6 MATERIAL FINAL REPORT, 5 DEC. 1961 - 30 MAR. 1962.
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GROWING OF LARGE ORIENTED ALUMINIUM SINGLE CRYSTALS WITH NON FUSED SEED CRYSTALS.
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BENDING TESTS OF TWO LARGE-DIAMETER CORRUGATED CYLINDERS WITH ECCENTRIC RING STIFFENERS.
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TEMPERATURES QUARTERLY REPORT NO. 4, APR. 21 - JUL. 21, 1966.
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TIME-DEPENDENT COMPRESSION PROPERTIES OF ALUMINUM ALLOY 2024 O AT 800 F (533 K).
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ALKYL AND ARYL ALUMINUM COMPLEXES. I. THE REACTION OF TRIALKYL AND TRIARYL ALUMINUM WITH BIDENTATE LIGANDS.
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AMINES, FREE RADICALS
THE REACTIONS OF FREE RADICALS CONTAINING NITROGEN.
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AMINES, RADIATION CHEMISTRY
RESEARCH ON ORGANIC RADIATION CHEMISTRY.
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THE EFFECT OF ADDED ELECTROLYTE ON THE E.S.R. AND OPTICAL ABSORPTION OF METAL-AMMONIA SOLUTIONS.
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OSCILLOSCOPE PREAMPLIFIER, AM-3568, HEWLETT-PACKARD K01-162F
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UPPER EXTREMITY PROSTHETICS RESEARCH. HUMAN TRACKING. SENSORY MOTOR CONTROL. UNDERWATER RESEARCH FACILITY.
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ENHANCING EFFECTIVE INSTRUMENT RESOLUTION BY AN ANALOG METHOD SCIENTIFIC REPORT NO. 280.
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AN ELECTROMECHANICAL ANALOG FOR AUTOPILOT-AERO-ELASTIC MISSILE STUDIES.
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ANALOG-TO-DIGITAL CONVERTERS, NETWORKS
ASYMPTOTICALLY OPTIMUM PRE-EMPHASIS AND DE-EMPHASIS NETWORKS FOR SAMPLING AND QUANTIZING.
AD-642 231 9E T67 01

ANALYSIS OF VARIANCE, STATISTICAL TESTS
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AD-642 558 12A T67 01

THE ANALYSIS OF PERSISTENCE IN A CHAIN OF MULTIPLE EVENTS.
AD-642 559 12A T67 01

ANIMALS, RADIATION EFFECTS
DESIGN OF A SHIELDED SOURCE FOR THE IRRADIATION OF NATURAL ANIMAL POPULATIONS.
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MICROCLIMATE OF ANOPHELES MYRCANUS AND ANOPHELES MACULIPENNIS HABITATS IN RICH FIELDS.
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ANOPHELES, PLASMODIUM
FALCIPARUM MALARIA TRANSMISSION TO THE GIBBON BY ANOPHELES BALABACENSIS.
AD-642 686 6C T67 01

ANTARCTIC REGIONS, GEOPHYSICS
GEOPHYSICAL STUDIES ON THE SOUTH POLE-QUEEN MAUD LAND TRAVERSE II.
AD-642 641 8G T67 01

ANTENNA ARRAY
REFLECTOR ARRAYS ANNUAL SUMMARY REPORT, 1 APR. 1965 - 31 APR. 1966.
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CONJUGATE-PAIR FEED SYSTEMS.
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TWO-WAY PATTERN SIMULATION BY ANALOG AND ANALYTICAL METHODS.
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ANTENNA TOLERANCE THEORY--A REVIEW.
AD-642 205 9E T67 01

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LIGHT ANTIAIRCRAFT TRACER OBSERVATION AND FIRE CONTROL WITH SPECIFIC REFERENCE TO THE TRAINING PROBLEM.
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TRAINING FOR ANTIAIRCRAFT ARTILLERY GUNNERY.
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TRAINING 90 MM AA GUN CREWS. APPENDIX I. HISTORY OF THE PROJECT.
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LIGHT ANTIAIRCRAFT TRACER OBSERVATION AND FIRE CONTROL WITH SPECIFIC REFERENCE TO THE TRAINING PROBLEM.
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COMPARATIVE STUDIES ON THE EFFECT OF ANTIBIOTICS AND GAMMA-GLOBULINE IN EXPERIMENTAL MELIOIDOSIS INFECTION.
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LETHAL GRAM-NEGATIVE BACTERIAL SUPERINFECTION IN GUINEA PIGS GIVEN BACITRACIN.
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ANTIBIOTICS, PASTEURELLA TULARENSIS
ANTIBIOTIC PROPHYLAXIS AND THERAPY OF AIRBORNE TULAREMIA.
AD-642 683 6D T67 01

ANTIGENS + ANTIBODIES, DETOXIFICATION
THE INFLUENCE OF SPECIFIC ANTIBODY ON THE DISAPPEARANCE OF STAPHYLOCOCCAL ENTEROTOXIN B FROM BLOOD.
AD-642 702 6J T67 01

ANTIGENS + ANTIBODIES, THEORY
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AD-642 036 6P T67 01

ANTIMALARIALS, RESISTANCE(BIOLOGICAL)
DRUG RESISTANT PLASMODIUM FALCIPARUM IN THE CHIMPANZEE.
AD-642 648 6E T67 01

ANTIMONY ALLOYS, THERMODYNAMICS
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ANTIMONY, BAND THEORY OF SOLIDS
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ANTIOXIDANTS, STEARIC ACIDS
STRUCTURAL EFFECTS OF ARYLSTEARIC ACIDS AS COMBINATION OXIDATION AND RUST INHIBITORS.
AD-642 294 11H T67 01

APOLLO PROJECT
APOLLO PULMONARY GAS COLLECTION ASSEMBLY AND ASSOCIATED EQUIPMENT DEVELOPMENT PROGRAM FINAL REPORT.
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APPROXIMATION FORMULA FOR PHYSICAL DATA.
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SIMULTANEOUS INTERPOLATION AND PARAMETER ESTIMATION.
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EXPERIMENTAL INVESTIGATIONS WITH CATHODES OF H P D-ARC JET ENGINES.
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FLAGSTAFF CLOUD PHYSICS PROGRAM METEOROLOGICAL REVIEW, JULY AND AUGUST 1966.

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ARMY PERSONNEL, RESPIRATORY DISEASES
AIR SAMPLING FOR RESPIRATORY DISEASE AGENTS IN ARMY RECRUITS.
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ARMY TRAINING, ANTIAIRCRAFT GUNNERY
TRAINING FOR ANTIAIRCRAFT ARTILLERY GUNNERY.
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AROMATIC COMPOUND
EXPERIMENTAL STUDIES CONCERNING EQUILIBRIUM SYSTEMS IN PRE-BIOLOGICAL ATMOSPHERES PROGRESS REPORT, MAR. 1 - AUG. 31, 1966.
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SENSITIZED FLUORESCENCE OF AROMATIC HYDROCARBONS IN SOLUTION. SPECTROPHOTOMETRIC ESTIMATION OF ENERGY TRANSFER COEFFICIENTS AT HIGH AND LOW OPTICAL DENSITIES.
AD-642 565 7E T67 01

ARROW WING
LONGITUDINAL AERODYNAMIC CHARACTERISTICS AT A MACH NUMBER OF 3.0 OF AN ARROW WING WITH BODIES OF CIRCULAR AND SEMICIRCULAR SECTIONS.
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OBSERVATION OF THE INTERACTION OF PLASMONS WITH LONGITUDINAL OPTICAL PHONONS IN GaAs.
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ARSENIC ALLOYS, LASERS
PROPERTIES OF InAs LASERS.
AD-642 173 20E T67 01

ARSENIC COMPOUND
STUDY BY EXTRACTION OF THE REACTION BETWEEN ARSENIC TRIBROMIDE AND ORGANIC SOLVENTS.
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UPPER EXTREMITY PROSTHETICS RESEARCH, HUMAN TRACKING, SENSORY MOTOR CONTROL, UNDERWATER RESEARCH FACILITY.
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BALLISTIC WINDS STUDY.
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UNIVERSITY OF FLORIDA RADIO OBSERVATORY.
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CHARACTERISTICS OF SOLAR ACTIVITY AT 4 AND 8.6 MILLIMETERS FINAL REPORT, MAY 1, 1965 - JUL. 1, 1966.
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DATA ON A SET OF TRINOMIAL DISTRIBUTIONS.
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BENDING STRENGTH OF A LARGE THIN-WALLED PRESSURE-STABILIZED CYLINDER BEYOND ONSET OF COMPRESSIVE SKIN WRINKLING.
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EXPERIMENTAL STUDIES CONCERNING EQUILIBRIUM SYSTEMS IN PRE-BIOLOGICAL ATMOSPHERES PROGRESS REPORT, MAR. 1 - AUG. 31, 1966.
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BUOYANT PLANETARY ENTRY.
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ATMOSPHERIC HUMIDITY ATLAS-NORTHERN HEMISPHERE.
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COMPARISON OF SEVERAL RADIATION CHARTS..
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A SIMPLE AND INEXPENSIVE SYSTEM FOR MEASURING CONCENTRATIONS OF ATMOSPHERIC 222 Rn.
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ATMOSPHERE, SCIENTIFIC RESEARCH
PACIFIC NORTHWEST LABORATORY ANNUAL REPORT FOR 1965 IN THE PHYSICAL SCIENCES. VOLUME 1. ATMOSPHERIC SCIENCES.
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HIGH-ALTITUDE ATMOSPHERIC MEASUREMENTS FOR THE REENTRIES OF GEMINI 6 AND GEMINI 7.
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SPECIFICATION OF ATMOSPHERIC LASER PROPAGATION EXPERIMENTS, VOLUME II.
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PROBLEMS ON ENVIRONMENTAL ADAPTATION OF ATMOSPHERIC MOTIONS.
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HARMONIC REPRESENTATION APPLIED TO LARGE SCALE ATMOSPHERIC WAVES.
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A STUDY OF THE MICROPHYSICAL CHARACTERISTICS OF PRECIPITATION PROCESSES FROM CLOUDS AND FOG IN CHINA.
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INVESTIGATION OF OROGRAPHIC EFFECTS ON PRECIPITATION PROCESSES.
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DETERMINATION OF ATMOSPHERIC PARAMETERS FROM MEASUREMENT OF POLARIZATION OF UPWARD RADIATION BY SATELLITE OR SPACE PROBE.
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AMPLITUDE STATISTICS OF LIGHTNING DISCHARGE CURRENTS AND ELF AND VLF RADIO NOISE.
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THE EFFECT OF THE LIFETIME OF AN ATOM UNDERGOING A DIPOLE TRANSITION DUE TO THE PRESENCE OF A RESONATING ATOM.
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ATOMIC ORBITALS, DIPOLE MOMENTS
ELECTRIC DIPOLE HYPERPOLARIZABILITIES FOR S-STATE ATOMS AND IONS.
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ATTITUDE CONTROL
BOOSTER ATTITUDE STABILIZATION NETWORK SYNTHESIS SUMMARY REPORT.
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AUDIOMETRY, NOISE
FURTHER RESULTS ON BINAURAL UNMASKING AND THE EC MODEL.
AD-642 627 6E T67 01

AUDITORY SIGNALS, AUDITORY PERCEPTION
OPERATING CHARACTERISTICS FROM YES-NO AND FORCED-CHOICE PROCEDURES.
AD-642 221 5J T67 01

AUDITORY STIMULUS
DISCHARGE PATTERNS OF SINGLE FIBERS IN THE CAT S AUDITORY NERVE.
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AURORAE, SOUNDING ROCKETS
ROCKET INSTRUMENTATION FOR AURORAL MEASUREMENTS - NIROS AD 7.618D AND AD 7.619D.
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AN ELECTROMECHANICAL ANALOG FOR AUTOPILOT-AERO-ELASTIC MISSILE STUDIES.
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AUTOMATION, LINEAR SYSTEMS
THE REDUCED FORM OF A LINEAR AUTOMATION.
AD-642 529 9B T67 01

AVALANCHES, SONIC BOOM
EFFECT OF SONIC BOOMS OF VARYING OVERPRESSURES ON SNOW AVALANCHES.
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AVIATION INJURIES, INSTRUMENT PANELS
INJURY POTENTIALS OF LIGHT-AIRCRAFT INSTRUMENT PANELS.
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ORIENTATION IN AEROSPACE FLIGHT.
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AVIATION SAFETY, AIR TRAFFIC
FSF/FAA PROJECT SCAN.
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AXIAL FLOW
ABSORPTION OF HIGHLY SOLUBLE GASES BY HIGH SPEED AXIAL FLOW ATOMIZING EQUIPMENT.
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AXIALLY SYMMETRIC FLOW, THEORY
SUPERSONIC STEADY AND UNSTEADY FLOWS OVER SLENDER AXISYMMETRIC BODIES WITH CONTINUOUS OR DISCONTINUOUS SURFACE SLOPES. PART II.
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BACILLUS ANTHRACIS, CULTURE MEDIA
SELECTIVE MEDIUM FOR BACILLUS ANTHRACIS.
AD-642 468 6M T67 01

BACILLUS ANTHRACIS, DISEASES
DISCUSSION.
AD-642 475 6M T67 01

BACILLUS ANTHRACIS, TOXINS + ANTITOXINS
THE PATHOGENESIS OF THE LETHAL EFFECT OF ANTHRAX TOXIN IN THE RAT.
AD-642 016 6E T67 01

BACILLUS SUBTILIS, BACTERIOPHAGES
HELPER PHAGE-DEPENDENT TRANSFECTION IN BACILLUS SUBTILIS.
AD-642 478 6M T67 01

BACTERIAL AEROSOLS, RESPIRATORY DISEASES
CONCLUDING REMARKS.
AD-642 479 6M T67 01

BACTERIAL AEROSOLS, VIABILITY
PHYSICAL AND CHEMICAL STRESSES OF AEROSOLIZATION.
AD-642 467 6M T67 01

BACTERIOPHAGES, BACILLUS SUBTILIS
HELPER PHAGE-DEPENDENT TRANSFECTION IN BACILLUS SUBTILIS.
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BAFFLE
A SURVEY OF RING BAFFLE DAMPING IN CYLINDRICAL TANKS.
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BALANCES, CALIBRATION
AIRCRAFT ELECTRONIC WEIGHING KIT TYPE C-1.
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BALLISTICS, WIND
BALLISTIC WINDS STUDY.
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BAND THEORY OF SOLIDS, ANTIMONY
MAGNETOREFLECTION STUDIES IN THE BAND STRUCTURE OF ANTIMONY.
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BAND THEORY OF SOLIDS, COPPER
FERMI SURFACE OF COPPER.
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BAND STRUCTURE AND LASER ACTION IN PB(X)SN(1-X)TE.
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COAGULATION CHANGES DURING EXPERIMENTAL HEMORRHAGIC SHOCK, CLOTTING ACTIVITY CONTRIBUTION OF SPLANCHNIC CIRCULATION AND ACIDOSIS AS CONTROLLED BY THAM.
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CADMIUM COMPOUNDS, VAPOR PLATING
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CONDITIONS OF THE CALCULUS OF VARIATIONS VIA DYNAMIC PROGRAMMING.
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SHOCK TUBES STUDY OF THE DISSOCIATION OF CARBON DIOXIDE.
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WATER AND CARBON REMOVAL FROM CARBON DIOXIDE REDUCTION SYSTEMS.
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CHEMILUMINESCENCE OF THE SODIUM OR SODIUM HALIDE CATALYZED OXIDATION OF CARBON MONOXIDE BY NITROUS OXIDE.
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THE INFLUENCE OF VASOCONSTRICTION AND ACIDOSIS ON DISSEMINATED INTRAVASCULAR COAGULATION.
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THE PERIPHERAL BLOOD CIRCULATION AND THE PERMEABILITY OF THE VESSEL WALLS IN THE DYNAMICS OF EXPERIMENTAL PLAGUE.
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ELECTRICAL PROPERTIES OF METAL OXIDES WHICH HAVE HOPPING CHARGE CARRIERS.
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OBSERVATION OF THE INTERACTION OF PLASMONS WITH LONGITUDINAL OPTICAL PHONONS IN GaAs.
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CASCADE
SINGLE STAGE EXPERIMENTAL EVALUATION OF SLOTTED ROTOR AND STATOR BLADING. PART II - ANNULAR CASCADE INVESTIGATION OF SLOT LOCATION AND GEOMETRY.
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POTENTIAL FLOW THEORY FOR TANDEM CASCADE BY HOWELL S METHOD.
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REQUIREMENTS STUDY FOR FUTURE CATALOGS.
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CONFERENCE ON GUIDANCE THEORY AND TRAJECTORY ANALYSIS.
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COMPARATIVE FEEDING MECHANISMS OF AVIAN AND PRIMATE MALARIAL PARASITES.
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CELLULOSE ACETATES, MEMBRANES
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CELLULOSE, REFRACTION
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CEMENTS, TEST METHODS
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PRODUCTION ENGINEERING MEASURE FOR SUBMINIATURE, HIGH RELIABILITY CERAMIC CAPACITORS.
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PRODUCTION ENGINEERING MEASURE FOR CERAMIC FILTERS.
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CESIUM, ADSORPTION
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SOUND STRUCTURE AND DIRECTIONALITY IN ORCINUS (KILLER WHALE).
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A STOCHASTIC MODEL STUDY OF THE MOVEMENT OF SOLID PARTICLES.
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SPACE RADIATION SHIELDING WITH THE MAGNETIC FIELD OF A CYLINDRICAL SOLENOID.
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CHARGED PARTICLES, PLASMA PHYSICS
ETUDE DES MICROINSTABILITIES LIEES A L ANISOTROPIE DE LA FONCTION DE DISTRIBUTION DES VITESSES DES PARTICULES D UN PLASMA HOMOGENE (STUDY OF MICROINSTABILITIES DUE TO AN ANISOTROPIC VELOCITY DISTRIBUTION FUNCTION OF THE PARTICLES OF A HOMOGENEOUS PLASMA),
PB-173 539 20I U67 01 HC$ 3.00 MF$ 0.65

CHECKOUT EQUIPMENT, SATELLITES(ARTIFICIAL)
A SIMPLIFIED TRACKING FILTER FOR SATELLITE SYSTEMS TESTING.
AD-642 617 22B T67 01 HC$ 3.00 MF$ 0.65

CHEMICAL COMPOUNDS, ISOTOPE SEPARATION
PREPARATION OF CHARGE MATERIALS FOR ORNL ELECTROMAGNETIC ISOTOPE SEPARATORS,
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CHEMICAL ENGINEERING
MULTIDISCIPLINARY SPACE RELATED RESEARCH SEMIANNUAL PROGRESS REPORT, 1 MAR. - 31 AUG, 1966.
N66-39331 22A S04 24 HC$ 3.00 MF$ 0.65

CHEMICAL EQUILIBRIUM, ULTRASONIC RADIATION
VELOCITY AND ABSORPTION OF SOUND IN EQUILIBRIUM CHEMICAL SYSTEMS.
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CHEMICAL KINETICS
A MODEL SYSTEM OF REACTING H2 AND I2.
N66-39703 7D S04 24 HC$ 3.00 MF$ 0.65

CHEMICAL REACTION
THE FORMATION OF SILVER ( I) CHLORIDE BY THE ACTION OF SILVER ( I) ION ON CARBON TETRACHLORIDE IN 2-BUTANOL AND METHANOL.
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CHEMICAL WARFARE AGENTS, REVIEWS
CBE FACTORS MONTHLY SURVEY NO. 10.
AD-642 358 15B T67 01 HC$ 3.00 MF$ 0.65

CHEMILUMINESCENCE, CARBON MONOXIDE
CHEMILUMINESCENCE OF THE SODIUM OR SODIUM HALIDE CATALYZED OXIDATION OF CARBON MONOXIDE BY NITROUS OXIDE.
AD-642 721 7B T67 01 HC$ 3.00 MF$ 0.65

CHEMISTRY, DOCUMENTATION
A REVIEW OF THE CHEMICAL INFORMATION PROGRAM JUNE 1, 1965 TO JUNE 30, 1966.
PB-173 544 7A U67 01 HC$ 3.00 MF$ 0.65

CHIMPANZEES, PARASITIC DISEASES
DRUG RESISTANT PLASMODIUM FALCIPARUM IN THE CHIMPANZEE,
AD-642 648 6E T67 01

CHIMPANZEES, PLASMODIUM
ACTIVE AND PASSIVE IMMUNIZATION OF CHIMPANZEES INFECTED WEST AFRICAN AND SOUTHEAST ASIAN STRAINS OF PLASMODIUM FALCIPARUM,
AD-642 642 6E T67 01

CHIMPANZEES, SKELETON
SKELETAL AGE CHANGES IN THE CHIMPANZEE,
AD-642 676 6C T67 01

CHLAMYDIA TRACHOMATIS, NUCLEOTIDES
NUCLEOTIDE COMPOSITION OF NUCLEIC ACIDS OF THE TRACHOMA PATHOGEN (STRAIN A1B1),
AD-642 879 6M T67 01 HC$ 3.00 MF$ 0.65

CHLAMYDIA TRACHOMATIS, TISSUE CULTURE CELLS
THE CONTINUOUS PASSAGE OF AGENTS OF TRACHOMA IN CELL CULTURE. I. CHARACTERISTICS OF TW-3 AND BOUR STRAINS OF TRACHOMA CULTIVATED IN SERIAL PASSAGE IN HELA 229 CELLS.
AD-642 485 6M T67 01

CHLORINE COMPOUNDS, ELECTRON SPIN RESONANCE
ELECTRON SPIN RESONANCE SPECTRUM OF CLO4 TRAPPED IN IRRADIATION KCLO4,
AD-642 569 7D T67 01

CHLORINE COMPOUNDS, OXIDES
RESEARCH ON THE DEFLAGRATION OF HIGH-ENERGY SOLID OXIDIZERS.
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CHLORINE RECOVERY AND RADIODINE BEHAVIOR IN THE SALT CYCLE PROCESS,
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CHOLERA, PATHOLOGY
CHOLERA.
AD-642 484 6E T67 01

CHROMATOGRAPHIC ANALYSIS, COMPLEX COMPOUNDS
CHROMATOGRAPHY AND SOLVENT EXTRACTION OF ORGANOMETALLIC COMPLEXES.
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CHROMATOGRAPHIC ANALYSIS, CORTICOSTEROID AGENTS
A CRITICAL COMPARISON OF A CHROMATOGRAPHIC AND AN ISOTOPE-DIALYSIS METHOD OF PLASMA 17-HYDROXYCORTICOSTEROID MEASUREMENT,
AD-642 695 6A T67 01

CHROMATOGRAPHIC ANALYSIS, WOOD
CHEMICAL METHODS OF DIFFERENTIATING THE WOOD OF SEVERAL WESTERN CONIFERS,
AD-642 340 11L T67 01

CHROMIUM COMPOUND
EXCHANGE-COUPLED CHROMIUM ION PAIRS IN RUBY.
N66-39345 20L S04 24 HC$ 3.00 MF$ 0.65

CHROMIUM COMPOUNDS, FERROMAGNETISM
FERROMAGNETISM IN CDCR2SE4, AND CDCR2S4,
AD-642 203 20C T67 01

CHROMIUM, GLUCOSE
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AD-642 694 6P T67 01

CINCHONA ALKALOIDS, HEMOLYSIS
STUDIES IN VITRO PRIMAQUINE HEMOLYSIS SUBSTRATE REQUIREMENT FOR ERYTHROCYTE MEMBRANE DAMAGE,
AD-642 335 6O T67 01

CINCHONA ALKALOIDS, RESISTANCE(BIOLOGICAL)
CHLOROQUINE. PHYSIOLOGICAL BASIS OF DRUG RESISTANCE IN PLASMODIUM BERGHEI,
AD-642 531 6O T67 01

STUDIES ON MODES OF ACTION OF CHLOROQUINE, QUINACRINE, AND QUININE AND ON CHLOROQUINE RESISTANCE,
AD-642 664 6O T67 01

CIRCUIT TESTERS, CALIBRATION
HAZARDOUS CIRCUIT TESTER, JOHNS HOPKINS TYPE 0-2.
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AN IMPROVED VOLTAGE-CHARGE CALIBRATION CIRCUIT.
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R AND D PROGRAM TO DESIGN AND FABRICATE DIGITAL MONOLITHIC MICROCIRCUITS HAVING AVERAGE PROPAGATION DELAY TIME OF 1 NS.
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STABILITY OF NONLINEAR CIRCUITS WITH PERIODIC INPUTS,
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CIRCULAR ORBIT
AN ANALYTICAL APPROACH TO SOLUTION OF TWO- POINT BOUNDARY CONDITION PROBLEMS IN OPTIMAL GUIDANCE SUMMARY REPORT, MAY 1965 - APR. 1966.
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EFFECT OF FERROCYANIDE ON GROWTH AND CITRIC ACID PRODUCTION BY ASPERGILLUS NIGER,
AD-642 567 6A T67 01

CIVIL DEFENSE SYSTEMS, MANAGEMENT ENGINEERING
MANAGEMENT REQUIREMENTS FOR CRISIS CIVIL DEFENSE PROGRAMS.
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DEPOSITION OF NUTRIENTS TO SURFACES BY RODAC PLATES (PART II OF MICROBIOLOGICAL STUDIES RELATING TO CLEAN ENVIRONMENTS).
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THE BACTERIOLOGY OF CLEAN ROOMS FINAL REPORT.
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STATISTICAL METHODS IN CLIMATOLOGY,
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THE RENAL LYMPHATICS - AN IMPORTANT FLUID TRANSPORT SYSTEM.
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CLOCKS, TEST EQUIPMENT
SOVIET WATCH-TESTING DEVICES ANALYTICAL SURVEY.
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CLOUD COVER
CLOUD COVER INTERFERENCE WITH REMOTE SENSING OF FORESTED AREAS FROM EARTH-ORBITAL AND LOWER ALTITUDES ANNUAL PROGRESS REPORT.
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PROBLEMS ON THE MACROSCOPIC CHARACTERISTICS OF CONVECTIVE CLOUDS IN CHINA.
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CLOUDS, WEATHER FORECASTING
FLAGSTAFF CLOUD PHYSICS PROGRAM METEOROLOGICAL REVIEW, JULY AND AUGUST 1966.
AD-642 100 4B T67 01 HC$ 3.00 MF$ 0.65

COBALT 60
A STUDY ON THE EFFECT OF CO60 GAMMA-RADIATION ON STEAM-GROWN SI O2 MOS STRUCTURES.
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COCCIDIOIDES, DISEASES
EXPERIMENTAL EPIDEMIOLOGY OF COCCIDIOIDOMYCOSIS,
AD-642 474 6E T67 01

CODING, INFORMATION THEORY
CODING FOR A CLASS OF UNKNOWN CHANNELS,
AD-642 215 9D T67 01

COLD CATHODE
DEVELOPMENT OF A MASS SPECTROMETER DESIGN FINAL REPORT, JUN. 1, 1964 - DEC. 31, 1964,
N66-39938 20F S04 24 HC$ 3.00 MF$ 0.65

COLD WEATHER TESTS, MATERIALS
IMPROVEMENT OF LOW TEMPERATURE ENVIRONMENTAL TESTING CRITERIA AND PROCEDURES, PART 1,
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PROJECT MOON- BLINK FINAL REPORT,
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COLOR VISION, ELECTRORETINOGRAPHY
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AD-642 692 6P T67 01

COMBAT INFORMATION CENTERS, FAILURE(ELECTRONICS)
TABULATION OF FAILURE REPORTS OF THE AN/APA-56 INSTALLATION FOR PROJECT CADILLAC.
AD-642 022 20C T67 01 HC$ 3.00 MF$ 0.65

COMBAT INFORMATION CENTERS, HUMAN ENGINEERING
SYMPOSIUM ON PROJECT CADILLAC.
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COMBUSTION
INFRARED RADIATION MEASUREMENTS OF COMBUSTION GASES EIGHTH QUARTERLY PROGRESS REPORT, APR. 1 - JUN. 30, 1966.
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COMBUSTION CHAMBERS, TURBOPROP ENGINES
PHASE REPORT SUMMARIZING COMBUSTION SYSTEM DEVELOPMENT, CONTAMINATED FUEL PROGRAM,
AD-642 363 21E T67 01 HC$ 3.00 MF$ 0.65

COMBUSTION EFFICIENCY
INVESTIGATIONS OF SPACE STORABLE PROPELLANTS (OF2)B2H6/ FINAL REPORT.
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COMBUSTION INSTABILITY
EXPERIMENTAL INVESTIGATION OF TRANSVERSE-MODE SOLID-PROPELLANT COMBUSTION INSTABILITY IN A VORTEX BURNER.
N66-39904 21B S04 24 HC$ 3.00 MF$ 0.65

COMBUSTION PRODUCT
INFRARED RADIATION MEASUREMENTS OF COMBUSTION GASES SEVENTH QUARTERLY PROGRESS REPORT, 1 JAN. - 31 MAR. 1966,
N66-38836 20M S04 24 HC$ 3.00 MF$ 0.65

COMBUSTION, DETONATION WAVES
AN INVESTIGATION OF THE BEHAVIOR OF A DETONATION WAVE IN A FLOWING COMBUSTIBLE MIXTURE.
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COMBUSTION, REACTION KINETICS
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COMMAND MODULE
DEVELOPMENT OF A MATHEMATICAL ANALYSIS FOR PREDICTING THE DYNAMIC BEHAVIOR OF THE APOLLO COMMAND MODULE DURING EARTH LANDING FINAL REPORT, 7 JUL. 1965 - 16 MAY 1966,
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COMMUNICATION SYSTEMS, DESIGN
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COMPENSATORY TRACKING
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COMPLEMENT, INHIBITION
MECHANISMS OF IMMUNOLOGIC INJURY OF RAT PERITONEAL MAST CELLS. I. THE EFFECT OF PHOSPHONATE INHIBITORS ON THE HOMOCYTOTROPIC ANTIBODY-MEDIATED HISTAMINE RELEASE AND THE FIRST COMPONENT OF RAT COMPLEMENT.
AD-642 637 6A T67 01

MECHANISMS OF IMMUNOLOGIC INJURY OF RAT PERITONEAL MAST CELLS. II. COMPLEMENT REQUIREMENT AND PHOSPHONATE ESTER INHIBITION OF RELEASE OF HISTAMINE BY RABBIT ANTI-RAT GAMMA GLOBULIN,
AD-642 638 6A T67 01

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AD-642 646 6E T67 01

COMPLEMENT, VOLUMETRIC ANALYSIS
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AD-642 534 6A T67 01

COMPLEX COMPOUNDS, ALUMINUM COMPOUNDS
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COMPLEX COMPOUNDS, CHEMICAL PROPERTIES
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A STUDY OF THE CHEMISTRY AND STRUCTURE OF COMPLEX 5-CO-ORDINATION COMPOUNDS.
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COORDINATION CHEMISTRY OF GROUP III.
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COMPLEX COMPOUNDS, SOLVENTS
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AD-642 760 7B T67 01 HC$ 3.00 MF$ 0.65

COMPLEX COMPOUNDS, SYNTHESIS(CHEMISTRY)
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COMPOSITE MATERIALS, SUBMARINE ANTENNAS
COMPOSITE THERMOPLASTIC/GLASS FILAMENT REINFORCEMENT FOR BUOYANT SUBMARINE CABLES RG-372 (XN-1)/U AND RG-373 (XN-1)/U.
AD-642 093 11D T67 01 HC$ 3.00 MF$ 0.65

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COMPOSITE MATERIALS, WINGS
APPLICATIONS AND OPTIMIZATIONS OF STRUCTURAL COMPOSITES FOR AIRCRAFT WINGS.
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COMPRESSION LOADING
BENDING STRENGTH OF A LARGE THIN-WALLED PRESSURE-STABILIZED CYLINDER BEYOND ONSET OF COMPRESSIVE SKIN WRINKLING.
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COMPUTER LOGIC, RELAXATION OSCILLATORS
GENERAL SHIFT-REGISTER SEQUENCE GENERATORS,
AD-642 347 9B T67 01 HC$ 3.00 MF$ 0.65

COMPUTER METHOD
CONFERENCE ON GUIDANCE THEORY AND TRAJECTORY ANALYSIS.
N66-39389 17G S04 24 HC$ 3.00 MF$ 0.65

DESCRIPTION OF THE COMPUTERIZED RELIABILITY ANALYSIS METHOD (CRAM) RESEARCH MONOGRAPH NO. 11.
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COMPUTER PERSONNEL, SELECTION
COMPUTER PERSONNEL RESEARCH GROUP, 1966 SURVEY OF TEST USE IN COMPUTER PERSONNEL SELECTION.
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COMPUTER PROGRAM
DEVELOPMENT OF A MATHEMATICAL ANALYSIS FOR PREDICTING THE DYNAMIC BEHAVIOR OF THE APOLLO COMMAND MODULE DURING EARTH LANDING FINAL REPORT, 7 JUL. 1965 - 16 MAY 1966,
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A GENERALIZED SATELLITE TELEMETRY DATA SIMULATION PROGRAM.
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CONTROL OPTIMIZATION, STABILIZATION AND COMPUTER ALGORITHMS FOR SPACE APPLICATIONS FIRST STATUS REPORT, MAR. 1 - AUG. 31 1966.
N66-39912 9C S04 24 HC$ 3.00 MF$ 0.65

COMPUTER STORAGE DEVICES, PROGRAMMING LANGUAGES
XPSTC, A FORTRAN DYNAMIC STORAGE ALLOCATOR,
AD-642 331 9B T67 01 HC$ 3.00 MF$ 0.65

COMPUTERS, ABSTRACTS
ELECTRICAL AND COMPUTER SYSTEMS COMPILATION OF ABSTRACTS.
AD-642 050 9B T67 01 HC$ 3.00 MF$ 0.65

COMPUTERS, DOCUMENTATION
THE CATALOG A FLEXIBLE STRUCTURE FOR DATA STORAGE,
AD-642 388 9B T67 01 HC$ 3.00 MF$ 0.65

COMPUTERS, INTEGRATED CIRCUITS
INTEGRATED CIRCUITS FOR FIELDATA COMPUTERS.
AD-642 355 9A T67 01 HC$ 3.00 MF$ 0.65

COMPUTERS, SEISMOLOGICAL STATIONS
A REAL-TIME COMPUTING SYSTEM FOR LASA,
AD-642 202 17J T67 01

CONCRETE, DECONTAMINATION
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AD-642 759 6R T67 01 HC$ 3.00 MF$ 0.65

CONCRETE, DUCTS
MONTE CARLO CALCULATIONS, USING THE ALBEDO CONCEPT, OF THE FAST-NEUTRON DOSE RATES ALONG THE CENTER LINES OF ONE- AND TWO-LEGGED SQUARE CONCRETE OPEN DUCTS AND COMPARISON WITH EXPERIMENT,
AD-642 522 18F T67 01

CONCRETE, SHRINKAGE
CONCRETE SHRINKAGE AND THERMAL EXPANSION.
PB-173 557 13B U67 01 HC$ 3.00 MF$ 0.65

CONCRETE, TEST METHODS
REVIEW OF SEALED MOIST-STORAGE AND CONROW CYCLE MORTAR BAR EXPANSION TESTS.
PB-173 446 13C U67 01 HC$ 3.00 MF$ 0.65

CONFERENCE
THE SOLAR WIND.
N66-38946 20H S04 24 HC$ 3.00 MF$ 0.65

CONFERENCE ON GUIDANCE THEORY AND TRAJECTORY ANALYSIS.
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CONFINED ENVIRONMENTS, FALLOUT SHELTERS
THE PSYCHOLOGICAL ENVIRONMENT OF PROTECTIVE SHELTERS.
AD-642 296 5J T67 01 HC$ 3.00 MF$ 0.65

AD-642 315 5J T67 01 HC$ 3.00 MF$ 0.65

CONFINEMENT(PSYCHOLOGY), FALLOUT SHELTERS
THE PSYCHOLOGICAL ENVIRONMENT OF PROTECTIVE SHELTERS.
AD-642 296 5J T67 01 HC$ 3.00 MF$ 0.65

CONFINEMENT(PSYCHOLOGY), PERFORMANCE(HUMAN)
THE EFFECTS OF SOCIAL ISOLATION AND GROUP COMPOSITION ON PERFORMANCE.
AD-642 599 5J T67 01 HC$ 3.00 MF$ 0.65

CONFINEMENT(PSYCHOLOGY), REACTION(PSYCHOLOGY)
THE PSYCHOLOGICAL ENVIRONMENT OF PROTECTIVE SHELTERS.
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CONICAL BODIES, AERODYNAMIC LOADING
SUBSONIC FLOW VISUALIZATION AND AERODYNAMIC FORCE TESTS ON CONES.
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CONICAL BODIES, HYPERSONIC FLOW
VISCOUS HYPERSONIC FLOWS OVER POINTED CONES AT LOW REYNOLDS NUMBERS.
AD-642 437 20D T67 01 HC$ 3.00 MF$ 0.65

CONICAL FLARE
AERODYNAMIC CHARACTERISTICS OF A SERIES OF SPHERICALLY BLUNTED 10 DEG CONES WITH 30 DEG AND 60 DEG BASE FLARES.
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CONNECTOR
RELAXATION DESIGN OF SEPARABLE TUBE CONNECTORS.
N66-39720 13E S04 24 HC$ 3.00 MF$ 0.65

CONTINUUM MECHANICS, THERMODYNAMICS
A THERMODYNAMIC DEVELOPMENT OF ELASTIC-PLASTIC CONTINUA.
AD-642 132 20K T67 01 HC$ 3.00 MF$ 0.65

CONTROL KNOBS, HUMAN ENGINEERING
ACCURACY OF BISECTION OF LARGE ANGULAR EXTENTS IN VARIOUS PLANES OF MOVEMENT, USING A KNOB CONTROL.
AD-109 239 5H U67 01 HC$ 3.00

TIME-ORDERED EFFECTS IN LONG SERIES OF KNOB CONTROL ADJUSTMENTS.
AD-109 351 5E U67 01 HC$ 3.00

CONTROL KNOBS, OPERATION
THE EFFECTS OF VARYING DEGREES OF KNOWLEDGE OF RESULTS ON KNOB SETTING PERFORMANCE.
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ACCURACY OF KNOB SETTINGS AS A FUNCTION OF I. THE PLANE IN WHICH THE KNOB TURNS AND II. THE DIAMETER OF THE KNOB.
AD-119 858 5E U67 01 HC$ 3.00

CONTROL SURFACE
INVESTIGATION OF FLUTTER CHARACTERISTICS OF THREE LOW-ASPECT RATIO ALL-MOVABLE HALF-SPAN CONTROL SURFACES AT MACH NUMBERS FROM 1.49 TO 2.87.
N66-39619 20K S04 24 HC$ 3.00 MF$ 0.65

CONTROL SYSTEM
THE DETERMINATION OF ASYMPTOTIC AND PERIODIC BEHAVIOR OF DYNAMIC SYSTEMS ARISING IN CONTROL SYSTEM ANALYSIS FINAL REPORT.
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ANALYTICAL INVESTIGATION OF THE REENTRY BEHAVIOR OF THE FLYING WIND TUNNEL - TEST VEHICLE, WITH SOME EFFECTS OF THRESHOLD AND TORQUE LEVEL OF A ROLL-RATE CONTROL SYSTEM.
N66-39611 1A S04 24 HC$ 3.00 MF$ 0.65

THERMAL MANIKIN.
N66-39895 6B S04 24 HC$ 3.00 MF$ 0.65

SPACE NAVIGATION GUIDANCE AND CONTROL.
N66-39955 17G S04 24 HC$ 3.00 MF$ 0.65

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A NEW METHOD FOR DETERMINING THE DYNAMIC CHARACTERISTICS OF AUTOMATIC CONTROL PLANTS.
AD-642 624 12B T67 01 HC$ 3.00 MF$ 0.65

CONTROL SYSTEMS, HUMAN ENGINEERING
THE EFFECT ON PERFORMANCE OF VARYING THE DIRECTIONS AND PLANES OF MOVEMENT OF THE CONTROL CRANKS ON A COMPENSATORY TRACKING TASK.
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THE EFFECTS OF CONTINUITY IN DISPLAY AND CONTROL MOVEMENT RELATIONSHIPS ON TWO-HAND TRACKING PERFORMANCE.
AD-119 859 5E U67 01 HC$ 3.00

CONTROL SYSTEMS, MAN-MACHINE SYSTEMS
THE EFFECT OF CONTROL CRANK SIZE ON TRACKING PERFORMANCE.
AD-128 356 5H U67 01 HC$ 3.00

CONTROLLED ATMOSPHERES, INSTRUMENTATION
WATER AND CARBON REMOVAL FROM CARBON DIOXIDE REDUCTION SYSTEMS.
AD-642 594 6K T67 01 HC$ 3.00 MF$ 0.65

CONTROLLED ATMOSPHERES, PURIFICATION
DRY-PACKED BEDS FOR THE REMOVAL OF STRONG-ACID GASES FROM RECYCLED ATMOSPHERES.
AD-642 274 6K T67 01 HC$ 3.00 MF$ 0.65

CONTROL, OPTIMIZATION
RECIPROCAL OPTIMAL CONTROL PROBLEMS.
AD-642 512 12B T67 01

CONVEX BODIES, FUNCTIONS
RECONSTRUCTING TRIANGLES FROM THICKNESS FUNCTIONS.
AD-642 367 12A T67 01 HC$ 3.00 MF$ 0.65

CONVOLUTION THEORY
ENHANCING EFFECTIVE INSTRUMENT RESOLUTION BY AN ANALOG METHOD SCIENTIFIC REPORT NO. 280.
N66-40000 14B S04 24 HC$ 3.00 MF$ 0.65

COOLING SYSTEM
SOME FACTORS INFLUENCING HEAT TRANSFER TO LIQUID-PROPELLANT ROCKET-THRUST-CHAMBER COOLANT CHANNELS.
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COORDINATE SYSTEM
ON THE SOLUTION OF THE DIFFERENTIAL EQUATIONS RESULTING FROM THE SEPARATION OF LAPLACE EQUATION IN VARIOUS COORDINATE SYSTEMS, BY MEANS OF LIE SERIES SCIENTIFIC REPORT NO. 9.
N66-39721 12A S04 24 HC$ 3.00 MF$ 0.65

COORDINATE TRANSFORMATION
GENERALIZATION OF THE BIRKHOFF REGULARIZATION OF THE THREE SPACE BODIES PROBLEM.
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COPPER
EVALUATION OF HIGH TEMPERATURE STRANDED HOOK-UP WIRE.
N66-38945 9A S04 24 HC$ 3.00 MF$ 0.65

COPPER ALLOYS, HALL EFFECT
THE INTERPRETATION OF THE HALL EFFECT IN ALLOYS OF COPPER AND SILVER WITH GROUP B METALS.
AD-642 456 20L T67 01

COPPER, BAND THEORY OF SOLIDS
FERMI SURFACE OF COPPER.
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CORONA
SOLAR CORONA EMISSION IN THE SPECTRUM REGION LAMBDA LESS THAN 10 ANGSTROM.
N66-39906 20H S04 24 HC$ 3.00 MF$ 0.65

CORRELATION TECHNIQUES, STATISTICAL FUNCTIONS
ESTIMATION OF A CORRELATION COEFFICIENT FROM AN UNCERTAINTY MEASURE.
AD-642 665 12A T67 01

CORROSION INHIBITION, STEEL
HOT-DIP GALVANIZING.
PB-173 556 11F U67 01 HC$ 3.00 MF$ 0.65

CORROSION RESISTANCE
MATERIALS FOR POTASSIUM LUBRICATED JOURNAL BEARINGS QUARTERLY PROGRESS REPORT NO. 10, 22 JUL. - 22 OCT. 1965.
N66-39527 11F S04 24 HC$ 3.00 MF$ 0.65

CORROSION, ELECTROCHEMISTRY
CORROSION EN PRESENCE DE COMPLEXANT APPLICATION A LA DETERMINATION EN CONTINU DE L ACIDE FLUORHYDRIQUE DANS L ATMOSPHERE (CORROSION IN THE PRESENCE OF A COMPLEXING AGENT APPLICATION TO THE CONTINUOUS DETERMINATION OF HYDROFLUORIC ACID IN THE ATMOSPHERE).
PB-173 537 7D U67 01 HC$ 3.00 MF$ 0.65

CORROSION, LIQUID METALS
CORROSION DU NIOBIUM PAR LE SODIUM LIQUIDE EN CIRCULATION ENTRE 400 ET 600C (NIOBIUM CORROSION FLOWING LIQUID SODIUM BETWEEN 400 AND 600C).
PB-173 536 11F U67 01 HC$ 3.00 MF$ 0.65

CORROSIVE GASES, VACUUM APPARATUS
ESSAIS DE PROTOTYPES DE JAUGES A VIDE POUVANT TRAVAILLER EN ATMOSPHERE CORROSIVE (FLUOREE) (TRIALS CARRIED OUT ON CORROSIVE (FLUORINATED) ATMOSPHERE VACUUM GAUGES.
PB-173 542 14B U67 01 HC$ 3.00 MF$ 0.65

CORRUGATED SHELL
BENDING TESTS OF TWO LARGE-DIAMETER CORRUGATED CYLINDERS WITH ECCENTRIC RING STIFFENERS.
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CORTICOSTEROID AGENTS, CHEMICAL ANALYSIS
A CRITICAL COMPARISON OF A CHROMATOGRAPHIC AND AN ISOTOPE-DIALYSIS METHOD OF PLASMA 17-HYDROXYCORTICOSTEROID MEASUREMENT.
AD-642 695 6A T67 01

COSMIC RAY

ENERGY BALANCE OF COSMIC RAYS.
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RESEARCH INTO THE MANAGEMENT OF COMPUTER PROGRAMMING SOME CHARACTERISTICS OF PROGRAMMING COST DATA FROM GOVERNMENT AND INDUSTRY.
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COSTS, AIRFRAMES
USE OF COST-ESTIMATING RELATIONSHIPS IN THE AIR-FRAME INDUSTRY.
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ANALYSIS OF CADMIUM-CADMIUM COULOMETERS USED FOR CHARGE CONTROL IN NICKEL-CADMIUM SPACE BATTERIES.
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COUNTERINSURGENCY, BIBLIOGRAPHIES
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AD-642 362 15G T67 01 HC$ 3.00 MF$ 0.65

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COMBATING SUBVERSIVELY MANIPULATED CIVIL DISTURBANCES.
AD-642 320 15G T67 01 HC$ 3.00 MF$ 0.65

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STRESS CONCENTRATION EFFECTS IN MICROPOLAR ELASTICITY TECHNICAL REPORT NO. 8-4.
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A STUDY OF THE INTERACTIONS OF MAGNETIC MATERIALS USING COUPLED FILMS WITH A CLOSED FLUX GEOMETRY, APRIL 1965 - JULY 1966.
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COXSACKIE VIRUS, RESPIRATORY DISEASES
AUTHOR S COMMENTS ON THE DISCUSSION.
AD-642 472 6M T67 01

DISCUSSION.
AD-642 687 6M T67 01

CRACK PROPAGATION
PLANE STRESS CYCLIC FLAW GROWTH OF 2219- T87 ALUMINUM AND 5 A1-2.5 SN ELI TITANIUM ALLOYS AT ROOM AND CRYOGENIC TEMPERATURES FINAL REPORT, 1 JUL. 1964 - 1 MAY 1966.
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CRATERS FROM SHORT-ROW CHARGES AND THEIR INTERACTION WITH PRE-EXISTING CRATERS.
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GENERATION OF LONG TIME CREEP DATA ON REFRACTORY ALLOYS AT ELEVATED TEMPERATURES TWELFTH QUARTERLY REPORT, 26 MAR. - 26 JUN. 1966.
N66-39888 11F S04 24 HC$ 3.00 MF$ 0.65

CRITICA, ASSEMBLIES, REACTOR ACCIDENTS
EVALUATION RAPIDE DE LA DOSE DE NEUTRONS A LA SUITE D UN ACCIDENT DE CRITICITE PAR MESURE DE L ACTIVITE DE 24 NA (RAPID EVALUATION OF THE NEUTRON DOSE FOLLOWING A CRITICALITY ACCIDENT BY MEASUREMENT OF 24 NA ACTIVITY).
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REVISED SAFETY ANALYSIS REPORT FOR THE SUPER KUKLA PROMPT BURST REACTOR.
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CRUSTACEA, PHOTORECEPTORS
DYNAMICS OF THE SACCADIC EYE-MOVEMENT MECHANISM AND NEUROLOGICAL SERVOMECHANISMS SECTION I, THE CRAYFISH.
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CRYOGENIC TEMPERATURE
EFFECT OF NUCLEAR RADIATION ON MATERIALS AT CRYOGENIC TEMPERATURES QUARTERLY REPORT NO. 4, APR. 21 - JUL. 21, 1966.
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CRYSTAL FILTERS, QUARTZ
PRODUCTION ENGINEERING MEASURE. CRYSTAL UNIT CR-(XM-56)/U.
AD-642 148 9E T67 01 HC$ 3.00 MF$ 0.65

CRYSTAL GROWTH, RUBY
LASER PROPERTIES OF A VAPOR-GROWN RUBY.
AD-642 171 20E T67 01

PRODUCTION ENGINEERING MEASURE FOR RUBY LASER RODS.
AD-642 289 20E T67 01 HC$ 3.00 MF$ 0.65

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RESEARCH ON CRYSTAL GROWTH AND CHARACTERIZATION AT THE NATIONAL BUREAU OF STANDARDS, JUNE 1966.
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LISTS OF AVAILABLE AND DESIRED MATERIALS AND AVAILABLE CRYSTAL-GROWTH REFERENCES (ULTRAPURE INORGANIC RESEARCH MATERIALS).
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MOLIONIC LATTICES.
AD-642 668 20B T67 01 HC$ 3.00 MF$ 0.65

CRYSTAL LATTICES, THERMAL CONDUCTIVITY
HEAT FLOW IN CRYSTAL LATTICES.
AD-642 498 20B T67 01 HC$ 3.00 MF$ 0.65

CRYSTAL OSCILLATORS, TEMPERATURE
FREQUENCY TEMPERATURE COMPENSATION TECHNIQUES FOR QUARTZ CRYSTAL OSCILLATORS.
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AD-444 525 9A U67 01 HC$ 3.00

RESEARCH WORK FOR FREQUENCY TEMPERATURE COMPENSATION TECHNIQUES FOR QUARTZ CRYSTAL OSCILLATORS. DATED 9 SEPTEMBER 1963.
AD-455 912 9A U67 01 HC$ 3.00

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THE STRUCTURE OF MERCURY.
AD-642 267 20L T67 01 HC$ 3.00 MF$ 0.65

CRYSTAL STRUCTURE, P-HETEROCYCLIC COMPOUNDS
X-RAY CRYSTALLOGRAPHY OF THE PHENYL TRIPHOSPHONITRILES. II. THE CRYSTAL STRUCTURE OF 2,2-DICHLORO-4,4,6,6-TETRAPHENYL CYCLOTRIPHOSPHAZATRIENE.
AD-642 462 20B T67 01

CRYSTAL STRUCTURE, VANADATES
THE CRYSTAL STRUCTURE OF PASCOITE, CA3V10028.17H20.
AD-642 452 20B T67 01

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CRYSTALLOGRAPHIC STUDIES OF SEA ICE IN MCMURDO SOUND, ANTARCTICA.
AD-642 432 8L T67 01 HC$ 3.00 MF$ 0.65

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CRYSTALS, RAMAN SPECTROSCOPY
WAVE VECTOR DEPENDENCE OF THE RAMAN EFFECT IN CRYSTALS.
AD-642 557 20B T67 01

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DEVELOPMENT AND EVALUATION OF CRYSTALLINE ELECTRO-OPTICAL SHUTTERS.
AD-642 146 6Q T67 01 HC$ 3.00 MF$ 0.65

CULTURE MEDIA, BACILLUS ANTHRACIS
SELECTIVE MEDIUM FOR BACILLUS ANTHRACIS.
AD-642 468 6M T67 01

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IMITATION, MODELING, AND CROSS-CULTURAL TRAINING.
AD-642 427 5I T67 01 HC$ 3.00 MF$ 0.65

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CURIUM PROCESS DEVELOPMENT. III-1. ANALYTICAL TECHNIQUES FOR CHARACTERIZING SOLVENT.
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CURVE FITTING, PROGRAMMING(COMPUTERS)
A GENERAL LEAST SQUARES FIT COMPUTER PROGRAM.
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ACTIVATION ANALYSIS WITH CHARGED PARTICLES, NUCLEAR SCIENCE SERIES OF THE NATIONAL ACADEMY OF SCIENCE-NATIONAL RESEARCH COUNCIL, WASHINGTON, D. C. COMMITTEE ON NUCLEAR SCIENCE.
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A THEORETICAL INVESTIGATION ON THE AEROELASTIC STABILITY OF ISOTROPIC CYLINDRICAL SHELLS AT BOTH THE HIGH AND LOW SUPERSONIC MACH NUMBERS.
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SOLUTIONS OF THE HOMOGENEOUS DIFFERENTIAL EQUATIONS OF THE AXIALLY COMPRESSED CIRCULAR CYLINDRICAL SHELLS.
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CYLINDRICAL BODIES, DYNAMICS
ON THE DYNAMIC RESPONSE OF SUBMERGED CYLINDRICAL SHELLS.
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CYLINDRICAL BODIES, MAGNETIC PROPERTIES
CYLINDRICAL SQUARES AND MAGNETIC CYLINDRICAL SQUARES.
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CALCULATIONS OF HARD SPHERE PACKINGS IN LARGE CYLINDERS.

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EXPERIMENTAL STUDY OF VORTEX FLOW IN A CYLINDER.
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BENDING STRENGTH OF A LARGE THIN-WALLED PRESSURE-STABILIZED CYLINDER BEYOND ONSET OF COMPRESSIVE SKIN WRINKLING.
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EQUATIONS FOR THERMOELASTIC AND VISCOELASTIC CYLINDRICAL SANDWICH SHELLS.
N66-39896 20K S04 24 HC$ 3.00 MF$ 0.65

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A SURVEY OF RING BAFFLE DAMPING IN CYLINDRICAL TANKS.
N66-39711 20K S04 24 HC$ 3.00 MF$ 0.65

NONLINEAR FLUID OSCILLATIONS IN A PARTIALLY FILLED CYLINDRICAL SECTOR CONTAINER.
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D LAYER
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N66-39998 4A S04 24 HC$ 3.00 MF$ 0.65

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N66-39997 22B S04 24 HC$ 3.00 MF$ 0.65

DAMAGE
ACOUSTICAL AND VIBRATIONAL STUDIES RELATING TO AN OCCURRENCE OF SONIC BOOM INDUCED DAMAGE TO A WINDOW GLASS IN A STORE FRONT.
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FURTHER CAVITATION DAMAGE CHARACTERISTICS IN A CAVITATING VENTURI USING WATER AND MERCURY AS TEST FLUIDS TECHNICAL REPORT NO. 20.
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N66-39711 20K S04 24 HC$ 3.00 MF$ 0.65

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PYROTECHNIC SHOCK ANALYSIS AND TESTING METHODS.
N66-39931 22B S04 24 HC$ 3.00 MF$ 0.65

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AD-642 255 9B T67 01

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AD-642 859 9B T67 01 HC$ 3.00 MF$ 0.65

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QUALITY CONTROL FOR SYSTEMS AND PROGRAMMING A SURVEY OF THE LITERATURE.
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LASA SIGNAL PROCESSING, SIMULATION, AND COMMUNICATIONS STUDY.
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THE AMERICAN STANDARD VOCABULARY FOR INFORMATION PROCESSING.
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THE CATALOG A FLEXIBLE STRUCTURE FOR DATA STORAGE.
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THE APPLICATION OF HF CHANNEL DATA TO THE DEVELOPMENT OF BLOCK ERROR CORRECTIONS.
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DATING
AGES OF PLUTONIUM-BERYLLIUM NEUTRONS IN TUNGSTEN-WATER MEDIA.
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DECAY RATE
EQUAL TIME COMMUTATORS AND SCALAR MESONS DECAYS.
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AD-642 561 5J T67 01

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AD-642 563 5J T67 01

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AD-642 564 5J T67 01

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SYSTEM ANALYSIS PROBLEMS, PROGRESS, AND POTENTIAL.
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ROBUSTNESS OF BAYES DECISIONS AGAINST THE CHOICE OF PRIOR.
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BAYESIAN ANALYSIS OF A THREE-COMPONENT HIERARCHICAL DESIGN MODEL.
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ADMISSIBLE BAYES PROCEDURES AND CLASSES OF EPSILON BAYES PROCEDURES FOR TESTING HYPOTHESES IN A MULTINOMIAL DISTRIBUTION.
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SIMPLE FORCE MULTIPOLES IN THE THEORY OF DEFORMABLE SURFACES.
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EXPERIMENTAL STUDY OF SINGLE DEGREE-OF-FREEDOM FLUTTER IN TRANSONIC FLOW.
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ELECTROSTRICTION AND THE DEHYDRATION OF IONS UNDER PRESSURE.
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DELTA WINGS, THICKNESS
SOME EFFECTS OF THICKNESS ON THE LONGITUDINAL CHARACTERISTICS OF SHARP-EDGED DELTA WINGS AT LOW SPEEDS.
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DENSITOMETER
MULTI-SPECTRAL IMAGERY FOR SPECIES IDENTIFICATION.
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DEPOSITION OF NUTRIENTS TO SURFACES BY RODAC PLATES (PART II OF MICROBIOLOGICAL STUDIES RELATING TO CLEAN ENVIRONMENTS).
N66-39373 6M S04 24 HC$ 3.00 MF$ 0.65

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REVERSE OSMOSIS SEPARATION OF SOME INORGANIC SALTS IN AQUEOUS SOLUTION USING POROUS CELLULOSE ACETATE MEMBRANES.
AD-642 461 7A T67 01

DESOXYRIBONUCLEIC ACIDS, BACTERIOPHAGES
HELPER PHAGE-DEPENDENT TRANSFECTION IN BACILLUS SUBTILIS.
AD-642 478 6M T67 01

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INFLUENCE OF THE IONS OF TRIVALENT IRON ON THE PHYSICAL-CHEMICAL PROPERTIES OF SOLUTIONS OF NATIVE DESOXYRIBONUCLEIC ACID.

AD-642 071 6A T67 01 HC$ 3.00 MF$ 0.65

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RADAR TECHNIQUES FOR DETECTION, TRACKING AND NAVIGATION.
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AN INVESTIGATION OF THE BEHAVIOR OF A DETONATION WAVE IN A FLOWING COMBUSTIBLE MIXTURE.
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A HIGH ALTITUDE MEASUREMENT TO DETERMINE THE RATIO OF DEUTERIUM TO HYDROGEN IN THE SOLAR ATMOSPHERE FINAL REPORT, 1 JUN. 1965 - 30 MAR. 1966.
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DEUTERON PRODUCTION IN PROTON-PROTON COLLISIONS FROM 1.9 TO 3 GEV.
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DEXTRAN, EFFECTIVENESS
FAILURE OF TEN PER CENT LOW MOLECULAR WEIGHT DEXTRAN AS A BLOOD SUBSTITUTE AFTER OLIGEMIC SHOCK IN PRIMATES.
AD-642 690 6E T67 01

DIABETES, CHROMIUM
EFFECT OF TRIVALENT CHROMIUM ON GLUCOSE TOLERANCE.
AD-642 694 6P T67 01

DIATOMIC MOLECULES, MOLECULAR ENERGY LEVELS
RESEARCH ON METASTABLE SPECIES IN ATOMIC AND MOLECULAR BEAMS PRODUCED BY CHARGE TRANSFER.
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ANALYSES FOR TURBOJET THRUST AUGMENTATION WITH FUEL-RICH AFTERBURNING OF HYDROGEN, DIBORANE, AND HYDRAZINE.
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INVESTIGATIONS OF SPACE STORABLE PROPELLANTS (OF2)B2H6/ FINAL REPORT.
N66-39930 21I S04 24 HC$ 3.00 MF$ 0.65

DICTIONARIES, DEPARTMENT OF DEFENSE
TECHNICAL DATA AND STANDARDIZATION GLOSSARY.
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SCATTERING BY PLASMA AND DIELECTRIC BODIES.
AD-286 854 20I U67 01 HC$ 3.00

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ON THE SOLUTION OF THE DIFFERENTIAL EQUATIONS RESULTING FROM THE SEPARATION OF LAPLACE EQUATION IN VARIOUS COORDINATE SYSTEMS, BY MEANS OF LIE SERIES SCIENTIFIC REPORT NO. 9.
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N66-39902 12A S04 24 HC$ 3.00 MF$ 0.65

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THE FOKKER-PLANCK DIFFERENTIAL EQUATION AND THE VON SMOLUCHOWSKI INTEGRAL EQUATION.
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AN EXTENSION OF STIEFELS N STEP GRADIENT METHOD.
AD-642 751 12A T67 01 HC$ 3.00 MF$ 0.65

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SOLUTION OF LEAST SQUARES PROBLEMS BY AN N STEP GRADIENT METHOD.
AD-642 758 12A T67 01 HC$ 3.00 MF$ 0.65

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MATRIX INVERSION BY AN N STEP GRADIENT PROCESS.
AD-642 755 12A T67 01 HC$ 3.00 MF$ 0.65

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COVARIANT NOETHER IDENTITIES IN COVARIANT FIELD THEORIES.
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DIFFUSERS, PERFORMANCE(ENGINEERING)
A UNIFIED METHOD FOR PREDICTING THE PERFORMANCE OF SUBSONIC DIFFUSERS OF SEVERAL GEOMETRIES.
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BODY-FIXED, THREE-AXIS REFERENCE SYSTEM STUDY PHASE I FINAL REPORT.
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COVARIANT NOETHER IDENTITIES IN COVARIANT FIELD THEORIES.
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FLIGHT CHARACTERISTICS
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AD-642 742 22A T67 01

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FOOD, PRESERVATION
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FREE OSCILLATION
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FREE RADICALS, CHEMICAL REACTIONS
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AD-642 542 7C T67 01 HC$ 3.00 MF$ 0.65

FREE RADICALS, REACTION KINETICS
REACTIONS IN THE DIETHYL PEROXIDE-NITRIC OXIDE SYSTEM. PART III. THE PRESSURE DEPENDENCE OF THE COMBINATION OF ETHOXYL RADICALS WITH NITRIC OXIDE,
AD-642 250 7D T67 01

FREE RADICALS, SYMPOSIA
THE FIFTH INTERNATIONAL SYMPOSIUM ON FREE RADICALS JULY 6-7, 1961.
AD-642 254 7D T67 01 HC$ 3.00 MF$ 0.65

FREQUENCY CONVERTERS, VARACTOR DIODES
A NOTE ON THE LARGE-SIGNAL VARACTOR UPPER-SIDEBAND UPCONVERTER.
AD-642 199 9E T67 01

FREQUENCY METERS, CALIBRATION
HETERODYNE FREQUENCY METER AND CRYSTAL CALIBRATOR TS-323/UR.
PB-173 521 14B U67 01 HC$ 3.00 MF$ 0.65

FREQUENCY MULTIPLIER
SRD FREQUENCY MULTIPLIERS INTERIM REPORT.
N66-39137 9A S04 24 HC$ 3.00 MF$ 0.65

FREQUENCY MULTIPLIERS, VARACTOR DIODES
COMPUTATION OF THE PERFORMANCE OF THE ABRUPT JUNCTION VARACTOR DOUBLER.
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FREQUENCY STABILIZERS, TELEMETERING TRANSMITTERS
PHASE-LOCK FREQUENCY STABILIZATION OF ROCKET TELEMETRY TRANSMITTERS BY MEANS OF SILICON INTEGRATED CIRCUITS.
AD-642 460 9F T67 01

FREQUENCY STANDARD
ANALYSIS OF THE CALIBRATION TESTS FOR THE APOLLO VARIAN RUBIDIUM FREQUENCY STANDARDS.
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FRICTION MEASUREMENT
THE DESIGN OF A SKIN FRICTION METER FOR USE IN EXTREME ENVIRONMENTAL CONDITIONS FINAL REPORT.
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FUEL CELL
GASEOUS ELECTROLYTES FOR BATTERIES AND FUEL CELLS EIGHTH QUARTERLY REPORT, PERIOD ENDING 31 JUL. 1966.
N66-39996 10A S04 24 HC$ 3.00 MF$ 0.65

FUEL COMBUSTION
COMBUSTION OF GASEOUS HYDROGEN AT LOW PRESSURES IN A 35 DEG SECTOR OF A 28-INCH-DIAMETER RAMJET COMBUSTOR.
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FUEL CONTROL
MINIMUM-FUEL ATTITUDE CONTROL OF A RIGID BODY IN ORBIT BY AN EXTENDED METHOD OF STEEPEST-DESCENT.
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FUEL INJECTORS, TURBOPROP ENGINES
PHASE REPORT SUMMARIZING COMBUSTION SYSTEM DEVELOPMENT, CONTAMINATED FUEL PROGRAM.
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N66-38864 13H S04 24 HC$ 3.00 MF$ 0.65

FUNCTIONAL ANALYSIS, BOUNDARY VALUE PROBLEMS
ON A GENERAL METHOD OF INVESTIGATING BOUNDARY-VALUE PROBLEMS.
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FUNCTIONS, BIBLIOGRAPHIES
BIBLIOGRAPHY OF SCHLICHT FUNCTIONS.
AD-642 657 12A T67 01 HC$ 3.00 MF$ 0.65

FUNCTIONS, CONVEX BODIES
RECONSTRUCTING TRIANGLES FROM THICKNESS FUNCTIONS.
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FUNCTIONS, SYSTEMS ENGINEERING
AN APPROACH TO THE TIME-VARYING SENSITIVITY PROBLEM.
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FUNGI, ANTIMETABOLITES
EFFECT OF FERROCYANIDE ON GROWTH AND CITRIC ACID PRODUCTION BY ASPERGILLUS NIGER.
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FUNGI, BOVINES
STACHYBOTRYOTOXICOSIS IN CATTLE.
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GALAXY
ENERGY BALANCE OF COSMIC RAYS.
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GALLBLADDER, PATHOLOGY
CHOLECYSTITIS IN GUINEA PIGS FOLLOWING OPIUM.
AD-642 708 6E T67 01

GALLIUM ALLOYS, CARRIERS(SEMICONDUCTORS)
OBSERVATION OF THE INTERACTION OF PLASMONS WITH LONGITUDINAL OPTICAL PHONONS IN GAAS.
AD-642 238 20L T67 01

GALLIUM COMPOUNDS, COMPLEX COMPOUNDS
COORDINATION CHEMISTRY OF GROUP III.
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AD-642 395 7B T67 01 HC$ 3.00 MF$ 0.65

GAMMA RADIATION
A STUDY ON THE EFFECT OF C060 GAMMA-RADIATION ON STEAM-GROWN SI O2 MOS STRUCTURES.
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NATURAL AND ARTIFICIAL (FROM NUCLEAR EXPLOSIONS) GAMMA BACKGROUND RADIATION IN POLAND - DOSES RECEIVED BY THE POPULATION.
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BETA-GAMMA RADIOACTIVITY IN ENVIRONMENTAL AIR AT LOS ALAMOS, NEW MEXICO FOR 1965.
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GAMMA RAYS, ROCK(GEOLOGY)
APPLICATION DU PRINCIPE DE SIMILITUDE A LA MESURE GAMMA-GAMMA DE DENSITE (APPLICATION OF THE SIMILITUDE PRINCIPLE TO GAMMA-GAMMA DENSITY MEASUREMENTS).
PB-173 574 8G U67 01 HC$ 3.00 MF$ 0.65

GAMMA-RAY SPECTRA, FISSION PRODUCTS
GAMMA-RAY SPECTRA OF THE PRODUCTS OF FAST NEUTRON FISSION OF U235 AND U238 AT SELECTED TIMES AFTER FISSION.
AD-642 319 18G T67 01 HC$ 3.00 MF$ 0.65

GAS ANALYZER
DEVELOPMENT OF A MASS SPECTROMETER DESIGN FINAL REPORT, JUN. 1, 1964 - DEC. 31, 1964.
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GAS DENSITY
DESIGN OF A SOFT X-RAY ABSORPTION-MODE GAS DENSITY MEASURING SYSTEM.
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GAS FILTERS, MATERIALS
DRY-PACKED BEDS FOR THE REMOVAL OF STRONG-ACID GASES FROM RECYCLED ATMOSPHERES.
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GAS FLOW
IONIZED FLOW IN A CONICAL SHOCK TUBE.
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GAS FLOW, ACCELERATION
CONSTANT ACCELERATION FLOWS AND APPLICATIONS TO HIGH-SPEED GUNS.
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GAS FLOW, DISKS
MEASUREMENTS OF ENTRAINMENT BY A FREE ROTATING DISC.
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GAS FLOW, ENTHALPY
MINIATURE ENTHALPY PROBES FOR HIGH TEMPERATURE GAS STREAMS.
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GAS FLOW, HEAT TRANSFER
THE LONG JOHN THERMOGASDYNAMIC RESEARCH FACILITY.
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GAS FLOW, THERMAL RADIATION
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GAS FLOW, THERMODYNAMICS
FLUID-STATE FUZING SYSTEM.
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GAS GENERATING SYSTEMS, GAS TURBINES
SINGLE ROTOR ENGINE - FEASIBILITY.
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GAS GENERATING SYSTEMS, HYDROGEN
HYDROGEN GENERATOR, VOLUME I.
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INSTRUCTION MANUAL FOR A HYDROGEN GENERATOR, VOLUME II.
AD-642 141 13G T67 01 HC$ 3.00 MF$ 0.65

GAS JET
ABSORPTION OF HIGHLY SOLUBLE GASES BY HIGH SPEED AXIAL FLOW ATOMIZING EQUIPMENT.
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GAS TURBINES, FEASIBILITY STUDIES
SINGLE ROTOR ENGINE - FEASIBILITY.
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GASEOUS DIFFUSION
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GASEOUS IONIZATION
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GEMINI SPACECRAFT
COMPARISON OF RESULTS OF TWO SIMULATIONS EMPLOYING FULL-SIZE VISUAL CUES FOR PILOT-CONTROLLED GEMINI- AGENA DOCKING.
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HIGH-ALTITUDE ATMOSPHERIC MEASUREMENTS FOR THE REENTRIES OF GEMINI 6 AND GEMINI 7.
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GENERATORS, ENERGY CONVERSION
A NOTE CONCERNING THE TEMPERATURE PROFILE WITHIN A THERMOMAGNETIC ENERGY CONVERTER.
AD-642 211 10A T67 01

STRUCTURE OF EQUATIONS SPECIFYING OPERATING CHARACTERISTICS OF ENERGY CONVERTERS CONSTRUCTED OF ANISOTROPIC MATERIALS,
AD-642 219 10A T67 01

GENERATORS, THERMOELECTRICITY
MAN-PACK 250 WATT THERMOELECTRIC GENERATOR (REBUILD),
AD-642 480 10B T67 01 HC$ 3.00 MF$ 0.65

GENETICS, RADIATION EFFECTS
RADIATION, GENETICS, AND VITAL STATISTICS. A PILOT STUDY IN DEMOGRAPHIC GENETICS,
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RARE EARTH FRACTIONATION IN HAWAIIAN VOLCANIC ROCKS,
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DESIGN STUDY OF ADVANCED GEODETIC LASER SYSTEM,
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THE USEFULNESS OF THERMAL INFRARED AND RELATED IMAGERY IN THE EVALUATION OF AGRICULTURAL RESOURCES. AN EXPLORATORY STUDY, VOLUME I FINAL REPORT,
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GEOLOGIC SKETCH OF THE PROPOSED NORTHEAST CORRIDOR HIGH-SPEED GROUND TRANSPORT SYSTEM,
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GERM-FREE ANIMALS, ABSORPTION(BIOLOGICAL)
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AD-642 656 6E T67 01

GLACIERS, ANTARCTIC REGIONS
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AD-642 643 8L T67 01

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GLASS TEXTILES, BIBLIOGRAPHIES
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PB-173 554 11B U67 01 HC$ 3.00 MF$ 0.65

GLASS, ELASTICITY
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GLASS, OPTICAL PROPERTIES
DETERMINATION OF THE OPTICAL PROPERTIES OF NEODYMIUM-DOPED GLASSES,
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GLUCOSE, METABOLISM
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AD-642 694 6P T67 01

GOLD, CATALYSIS
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POLYALKYLIDENE FORMATION,
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DP-988 18D N28 22 HC$ 3.00 MF$ 0.65

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AD-642 574 5B T67 01 HC$ 3.00 MF$ 0.65

GRAPHICS, INFORMATION RETRIEVAL
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AD-642 581 5B T67 01 HC$ 3.00 MF$ 0.65

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AD-642 503 12A T67 01 HC$ 3.00 MF$ 0.65

GRAPHITE, BAND THEORY OF SOLIDS
ENERGY BAND PARAMETER DETERMINATION IN GRAPHITE,
AD-642 210 20L T67 01

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AD-642 600 20J T67 01

GREEN S FUNCTION, INTEGRALS
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AD-642 583 9D T67 01 HC$ 3.00 MF$ 0.65

GROUND EFFECT MACHINES, CONTROL SYSTEMS
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GROUND HANDLING FACILITY
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N66-39395 6T S04 24 HC$ 3.00 MF$ 0.65

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GROUP DYNAMICS, BEHAVIOR
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GROUP DYNAMICS, CONFINEMENT(PSYCHOLOGY)
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GROWTH SUBSTANCES, MASS TRANSFER
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GROWTH SUBSTANCES, TREES
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GUN MOUNTS, SIMULATORS
POWER AND SPACE REQUIREMENTS FOR SIMULATION OF MACHINE GUN MOUNTS,
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ARMY MARKSMANSHIP AND GUNNERY TRAINING. I. TRAINING REQUIREMENTS FOR INDIVIDUAL WEAPONS,
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RADIATION SYNTHESIS INVOLVING HALOGEN COMPOUNDS,
COO-578-3-32 7E N28 22 HC$ 3.00 MF$ 0.65

HALOGENATED HYDROCARBONS, CHEMICAL REACTIONS
TETRAKIS (TRIFLUOROMETHYL) CYCLOPENTADIENONE AND SOME HEXAFLUOROBUT-2-YNE COMPLEXES OF RHODIUM,
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TRANSITION-METAL CARBON CHEMISTRY,
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STUDIES IN THE HALOGENATION OF ALIPHATIC COMPOUNDS,
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AN EVALUATION OF THE HANDLING QUALITIES OF SEVEN GENERAL-AVIATION AIRCRAFT,
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HANDLING, MILITARY PERSONNEL
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FINITE TEMPERATURE THERMODYNAMICS FOR THE MODIFIED HARTREE-FOCK ELECTRON GAS,
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DOSE TO VARIOUS BODY ORGANS FROM INHALATION OR INGESTION OF SOLUBLE RADIONUCLIDES,
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A TECHNIQUE FOR TESTING HEART FUNCTION BY ANALYSIS OF ITS VIBRATION SPECTRUM PROGRESS REPORT,
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TRANSIENT DYNAMICS AND THERMAL STRESS FOR NUCLEAR ROCKET HEAT-EXCHANGER,
N66-39722 18I S04 24 HC$ 3.00 MF$ 0.65

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AD-642 533 6S T67 01

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N66-39381 20M S04 24 HC$ 3.00 MF$ 0.65

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N66-39532 21I S04 24 HC$ 3.00 MF$ 0.65

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HEAT TRANSFER CHARACTERISTICS OF ARC TUNNEL CONSTRICTORS,
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THE LONG JOHN THERMOGASDYNAMIC RESEARCH FACILITY,
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ANALYSIS OF HEAT TRANSFER IN A THREE-LAYER SLAB CONSTANT FLUX ON ONE SURFACE AND ZERO FLUX ON THE OTHER SURFACE (U),
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EXPERIMENTAL STUDY OF VORTEX FLOW IN A CYLINDER,
AD-642 354 20D T67 01 HC$ 3.00 MF$ 0.65

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THE STRUCTURE AND PROPERTIES OF HEAT-RESISTANT ZHS-TYPE NICKEL ALLOY DURING COOLING,
AD-642 265 11F T67 01 HC$ 3.00 MF$ 0.65

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HEAT-RESISTANT PLASTICS, SYNTHESIS(CHEMISTRY)
HIGH-TEMPERATURE STRUCTURAL RESINS,
AD-642 043 11I T67 01 HC$ 3.00 MF$ 0.65

HEAVY ELEMENT
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N66-39906 20M S04 24 HC$ 3.00 MF$ 0.65

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CHARGED PARTICLE TRACKS IN POLYMERS - NUMBER 2 - REGISTRATION OF HEAVY IONS DURING THE FLIGHT OF GEMINI VI,
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HELICAL INDUCER
CAVITATION PERFORMANCE OF AN 83 DEG HELICAL INDUCER OPERATED IN LIQUID HYDROGEN,
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STUDY OF LOW-ACCELERATION SPACE TRANSPORTATION SYSTEMS TECHNICAL REPORT, JUL. 1964 - JUN. 1965,
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ION BOMBARDMENT, PENETRATION
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ION ENGINES, SYMPOSIA
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ION EXCHANGE
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ION EXCHANGE RESINS, THERMAL STABILITY
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ION SOURCE
DEVELOPMENT OF A MASS SPECTROMETER DESIGN FINAL REPORT, JUN. 1, 1964 - DEC. 31, 1964,
N66-39938 20F S04 24 HC$ 3.00 MF$ 0.65

ION TEMPERATURE
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IONIZED GAS
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IONOSPHERE
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A METHOD FOR THE DETERMINATION OF MEAN IONOSPHERIC HEIGHT FROM SATELLITE SIGNALS SCIENTIFIC REPORT NO. 278,
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IONOSPHERE, DRIFT
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CONF-650552 6H N20 22 HC$ 3.00 MF$ 0.65

IRRADIATION
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ISOTOPE SEPARATION, ELECTROMAGNETIC WAVES
PREPARATION OF CHARGE MATERIALS FOR ORNL ELECTROMAGNETIC ISOTOPE SEPARATORS.
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REVIEW OF ORNL ELECTROMAGNETIC SEPARATIONS PROGRAM, 1965.
ORNL-4006 18B N20 22 HC$ 3.00 MF$ 0.65

ITERATIVE METHODS, DIFFERENTIAL EQUATIONS
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JET ENGINE FUELS, HYDROCARBONS
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AD-642 764 21D T67 01 HC$ 3.00 MF$ 0.65

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EXPERIMENTAL INVESTIGATION OF JET FORMATION BEHIND A SHOCK FRONT DURING DISCHARGE FROM DIVERGENT AND SUPERSONIC NOZZLES.
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MATERIALS FOR POTASSIUM LUBRICATED JOURNAL BEARINGS QUARTERLY PROGRESS REPORT NO. 10, 22 JUL. - 22 OCT. 1965.
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EXPERIMENTS WITH HYDRODYNAMIC JOURNAL BEARINGS OF VARIOUS MATERIALS AND DESIGNS IN SODIUM AT TEMPERATURES TO 800 DEG F.
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ANALYTICAL FLOW THEORY IN THE THREE BODIES PROBLEM WITH THE USE OF REGULARIZING VARIABLES.
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KINETIC THEORY, PLASMA MEDIUM
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AD-642 161 20I T67 01 HC$ 3.00 MF$ 0.65

LABORATORY ANIMALS, REVIEWS
LABORATORY ANIMAL SCIENCE A REVIEW OF THE LITERATURE FOR JANUARY, FEBRUARY, AND MARCH 1966.
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LACTATES, CHEMICAL ANALYSIS
AN ULTRAMICRO SERUM L-LACTATE DETERMINATION NOT REQUIRING REMOVAL OF PROTEIN.
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LAKES, ICE
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LAMINAR BOUNDARY LAYER, INTEGRAL EQUATIONS
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LAMINAR BOUNDARY LAYER FLOW AND STABILITY AT LONGITUDINALLY CURVED WALLS.
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LAMINAR BOUNDARY LAYER, PARTIAL DIFFERENTIAL EQUATIONS
ON THE CONVERGENCE AND EXACTNESS OF SOLUTIONS OF THE LAMINAR BOUNDARY-LAYER EQUATIONS USING THE N-PARAMETER INTEGRAL FORMULATION OF GALERKIN-KANTOROVICH-DORODNITSYN.
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LAMINAR FLOW
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LANDING
DEVELOPMENT OF A MATHEMATICAL ANALYSIS FOR PREDICTING THE DYNAMIC BEHAVIOR OF THE APOLLO COMMAND MODULE DURING EARTH LANDING FINAL REPORT, 7 JUL. 1965 - 16 MAY 1966.
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EVALUATION OF CROSS-POINTER-TYPE INSTRUMENT DISPLAY IN LANDING APPROACHES WITH A HELICOPTER.
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LANGMUIR PROBES, PLASMA OSCILLATIONS
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LANTHANUM COMPOUNDS, SINGLE CRYSTALS
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AD-642 229 20L T67 01

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ON THE SOLUTION OF THE DIFFERENTIAL EQUATIONS RESULTING FROM THE SEPARATION OF LAPLACE EQUATION IN VARIOUS COORDINATE SYSTEMS, BY MEANS OF LIE SERIES SCIENTIFIC REPORT NO. 9.
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DEVELOPMENT OF THE CIRCUIT DESIGN FROM THE LOGIC DESIGN OF A RANDOM WALK MACHINE FINAL REPORT.
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REQUIREMENTS STUDY FOR SYSTEM IMPLEMENTATION OF AN ATMOSPHERIC LASER PROPAGATION EXPERIMENT PROGRAM, VOLUME II.
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PROGRAM SPECIFICATION PLAN FOR THE DETERMINATION OF ATMOSPHERIC EFFECTS ON LASER SPACE COMMUNICATIONS, VOLUME II.
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LASER SPACE COMMUNICATIONS STUDY (LACE) FINAL SUMMARY REPORT.
N66-39448 20E S04 24 HC$ 3.00 MF$ 0.65

SOME CONSIDERATIONS ON EYE HAZARDS WITH LASERS.
N66-39840 S04 24 HC$ 3.00 MF$ 0.65

RADIATION EFFECTS ON LASERS TECHNICAL REPORT, JUL. 1, 1965 - MAY 31, 1966.
N66-39911 20E S04 24 HC$ 3.00 MF$ 0.65

A STUDY OF LASER WAVE SCATTERING DUE TO REFRACTIVE INDEX PERTURBATIONS IN THE PROPAGATING MEDIUM FINAL REPORT, 5 OCT. 1965 - 15 AUG. 1966.
N66-39986 20E S04 24 HC$ 3.00 MF$ 0.65

SPECIFICATION OF ATMOSPHERIC LASER PROPAGATION EXPERIMENTS, VOLUME II.
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LASERS, GEODESICS
DESIGN STUDY OF ADVANCED GEODETIC LASER SYSTEM.
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AD-642 163 20E T67 01 HC$ 3.00 MF$ 0.65

A DIFFUSELY TRANSMITTING, INTEGRATING SPHERE FOR MEASURING LASER OUTPUT WITH A PHOTOTRANSISTOR.
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AD-642 718 20E T67 01

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AD-642 447 17H T67 01 HC$ 3.00 MF$ 0.65

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AD-642 171 20E T67 01

PRODUCTION ENGINEERING MEASURE FOR RUBY LASER RODS.
AD-642 289 20E T67 01 HC$ 3.00 MF$ 0.65

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AD-642 173 20E T67 01

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AD-642 196 20E T67 01

EFFICIENT VISIBLE LASERS OF CDSXSE1-X BY ELECTRON-BEAM EXCITATION.
AD-642 208 20E T67 01

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BAND STRUCTURE AND LASER ACTION IN PB(X)SN(1-X)TE.
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LASERS, SEMICONDUCTORS
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AD-642 342 20L T67 01 HC$ 3.00 MF$ 0.65

LASERS, SYMPOSIA
ROCHESTER CONFERENCE ON COHERENCE AND QUANTUM OPTICS (2ND), JUNE 22-24, 1966.
AD-642 345 20F T67 01 HC$ 3.00 MF$ 0.65

LEAD ALLOYS, BAND THEORY OF SOLIDS
BAND STRUCTURE AND LASER ACTION IN PB(X)SN(1-X)TE.
AD-642 225 20E T67 01

LEAD COMPOUNDS, BAND THEORY OF SOLIDS
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THE KNIGHT SHIFT IN LEAD TELLURIDE VIA RELATIVISTIC APW FUNCTIONS.
AD-642 519 20L T67 01 HC$ 3.00 MF$ 0.65

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AD-642 436 20D T67 01 HC$ 3.00 MF$ 0.65

LEAKAGE
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N66-39720 13E S04 24 HC$ 3.00 MF$ 0.65

LEAST SQUARES METHOD, DIFFERENTIAL EQUATIONS
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LEAST SQUARES METHOD, EQUATIONS
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AD-642 757 12A T67 01 HC$ 3.00 MF$ 0.65

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A NUMERICAL INVESTIGATION OF RESIDUAL EQUATIONS.
AD-642 720 12A T67 01 HC$ 3.00 MF$ 0.65

LEAST SQUARES METHOD, PROGRAMMING(COMPUTERS)
A GENERAL LEAST SQUARES FIT COMPUTER PROGRAM.
AD-642 591 12A T67 01 HC$ 3.00 MF$ 0.65

LENS
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HIGH RESOLUTION ELECTRON MICROSCOPY WITH SUPERCONDUCTING LENSES AT LIQUID HELIUM TEMPERATURES.
N66-39406 20F S04 24 HC$ 3.00 MF$ 0.65

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CONTROL OPTIMIZATION, STABILIZATION AND COMPUTER ALGORITHMS FOR SPACE APPLICATIONS FIRST STATUS REPORT, MAR. 1 - AUG. 31 1966.
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N66-39944 10A S04 24 HC$ 3.00 MF$ 0.65

PROMISES AND POTENTIALITIES OF ELECTRIC PROPULSION STATUS OF THRUSTOR PERFORMANCE.
N66-39974 21C S04 24 HC$ 3.00 MF$ 0.65

LIFT-DRAG RATIO
TWO-DIMENSIONAL, POWER-LAW WINGS OF MAXIMUM LIFT-TO-DRAG RATIO IN HYPERSONIC FLOW.
N66-39396 1A S04 24 HC$ 3.00 MF$ 0.65

LIFT, DELTA WINGS
SOME EFFECTS OF THICKNESS ON THE LONGITUDINAL CHARACTERISTICS OF SHARP-EDGED DELTA WINGS AT LOW SPEEDS.
AD-642 181 1C T67 01 HC$ 3.00 MF$ 0.65

LIFT, GROUND EFFECT MACHINES
COLLECTED DATA ON THE LIFT OF GROUND EFFECT MACHINES.
AD-642 152 1A T67 01 HC$ 3.00 MF$ 0.65

LIGHT GAS GUNS, GAS FLOW
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AD-642 333 14B T67 01 HC$ 3.00 MF$ 0.65

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AD-642 553 9E T67 01

LINE SPECTRUM, OXYGEN
INFLUENCE OF ATOMIC-OXYGEN ABSORPTION-LINE SERIES ON CROSS-SECTION MEASUREMENTS.
AD-642 118 7D T67 01

LINE SPECTRUM, THORIUM
AVERAGES OF INTERFEROMETRIC MEASUREMENTS OF THORIUM LINES.
ANL-7209 7B N20 22 HC$ 3.00 MF$ 0.65

LINEAR ACCELERATORS, OPERATION
OPERATION, MAINTENANCE AND DOSIMETRY ONTHE AFCRL LINEAR ACCELERATOR, AND RADIATION EFFECTS ON SILICON AND INSULATORS.
AD-642 415 20G T67 01 HC$ 3.00 MF$ 0.65

LINEAR PROGRAMMING, ALGORITHMS
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AD-642 276 12B T67 01 HC$ 3.00 MF$ 0.65

LIPIDS, BODY
BODY COMPOSITION OF A MILITARY POPULATION FT. CARSON 1963. I. BODY DENSITY, FAT, AND POTASSIUM 40.
AD-642 308 6P T67 01 HC$ 3.00 MF$ 0.65

LIPOPROTEINS, ACCLIMATIZATION
EFFECT OF COLD EXPOSURE ON SERUM LIPIDS AND LIPOPROTEINS IN THE RAT.
AD-642 551 6S T67 01

LIQUID AMMONIA
EXPERIMENTAL INVESTIGATION OF THE FORCED- CONVECTION AND NUCLEATE-BOILING HEAT-TRANSFER CHARACTERISTICS OF LIQUID AMMONIA.
N66-39951 20H S04 24 HC$ 3.00 MF$ 0.65

LIQUID ATOMIZATION
ABSORPTION OF HIGHLY SOLUBLE GASES BY HIGH SPEED AXIAL FLOW ATOMIZING EQUIPMENT.
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LIQUID FLOW
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N66-38863 20D S04 24 HC$ 3.00 MF$ 0.65

LIQUID HYDROGEN
CAVITATION PERFORMANCE OF AN 83 DEG HELICAL INDUCER OPERATED IN LIQUID HYDROGEN.
N66-39614 13K S04 24 HC$ 3.00 MF$ 0.65

LIQUID METAL
SOLUBILITY STUDIES OF ULTRA PURE TRANSITION ELEMENTS IN ULTRA PURE ALKALI METALS.
N66-39942 11F S04 24 HC$ 3.00 MF$ 0.65

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KINETICS OF EXCESS SOLUTE PRECIPITATION IN LIQUID SODIUM SOLUTIONS.
AD-642 332 7D T67 01 HC$ 3.00 MF$ 0.65

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AD-642 086 7D T67 01 HC$ 3.00 MF$ 0.65

LIQUID PROPELLANT
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LIQUID PROPELLANT ROCKET ENGINE
SOME FACTORS INFLUENCING HEAT TRANSFER TO LIQUID-PROPELLANT ROCKET-THRUST-CHAMBER COOLANT CHANNELS.
N66-39532 21I S04 24 HC$ 3.00 MF$ 0.65

SUMMARY OF LITERATURE SURVEY OF HYPERGOLIC IGNITION SPIKE PHENOMENA, PHASE I FINAL REPORT, APR. 8 - DEC. 31, 1965.
N66-39712 21B S04 24 HC$ 3.00 MF$ 0.65

LIQUID SLOSHING
EFFECTS OF LIQUID SLOSH ON RENDEZVOUS DYNAMICS.
N66-39706 22A S04 24 HC$ 3.00 MF$ 0.65

LIQUID SODIUM
EXPERIMENTS WITH HYDRODYNAMIC JOURNAL BEARINGS OF VARIOUS MATERIALS AND DESIGNS IN SODIUM AT TEMPERATURES TO 800 DEG F.
N66-39976 13I S04 24 HC$ 3.00 MF$ 0.65

LIQUID-VAPOR INTERFACE
BUBBLE FORMATION AND GROWTH - STUDY OF THE BOUNDARY CONDITIONS AT A LIQUID-VAPOR INTERFACE THROUGH IRREVERSIBLE THERMODYNAMICS QUARTERLY PROGRESS REPORT, MAR. - MAY 1966.
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N66-39943 20M S04 24 HC$ 3.00 MF$ 0.65

LITHIUM COMPOUNDS, WAVE FUNCTIONS
PERTURBATION THEORY OF CONSTRAINTS APPLICATION TO A LITHIUM HYDRIDE CALCULATION,
AD-642 034 7D T67 01

LIVER, DIAGNOSIS
GAMMA MAPPING OF THE LIVER WITH THE DIGITAL COMPUTER,
UCRL-14865 9B N20 22 HC$ 3.00 MF$ 0.65

LOADING(MECHANICS), ROADS
TENSILE TESTING OF ROAD MATERIALS.
PB-173 558 13B U67 01 HC$ 3.00 MF$ 0.65

LOCAL ANESTHETICS, PERIPHERAL NERVOUS SYSTEM
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AD-642 324 6O T67 01

LOGIC CIRCUIT
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LOGISTICS, USSR
REAR AND SUPPLY OF THE SOVIET ARMED FORCES, NO. 6,
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REAR SERVICE AND SUPPLY OF THE SOVIET ARMED FORCES, NO. 5, 1966.
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LOOP
EXPERIMENTAL FEASIBILITY STUDY OF WATER-FILLED CAPILLARY-PUMPED HEAT-TRANSFER LOOPS.
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ELECTRICALLY-PROPELLED CARGO VEHICLE FOR SUSTAINED LUNAR SUPPLY OPERATIONS SUMMARY REPORT.
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RANGER IX PHOTOGRAPHIC PARAMETERS.
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EARTH/LUNAR HORIZON SENSOR PROGRAM PHASE IA STUDY REPORT.
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EARTH/LUNAR HORIZON SENSOR PROGRAM ADDENDUM TO PHASE IA STUDY REPORT.
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NEOPRENE
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NEUTRON CROSS SECTIONS, PROTACTINIUM
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MODEL FOR CALCULATING THE SLOW NEUTRON SCATTERING BY LIQUID D2O.
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NEUTRON SPECTRUM, NEUTRON SCATTERING
DETERMINATION DU SPECTRE DE NEUTRONS DANS UN COEUR DE PILE A EAU (AN APPROXIMATE METHOD FOR SOLVING THE VELOCITY DEPENDENT TRANSPORT EQUATION IN A SLAB LATTICE).
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NEUTRON SPECTRUM, URANIUM
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RECOMBINATION COEFFICIENT OF THE NIGHTTIME F-REGION FROM INCOHERENT SCATTER MEASUREMENTS SCIENTIFIC REPORT NO. 279.
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INVESTIGATION OF THE D AND E REGION DURING THE IQSY FINAL REPORT, 1964 - 1965.
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RESEARCH ON THE UTILIZATION OF PATTERN RECOGNITION TECHNIQUES TO IDENTIFY AND CLASSIFY OBJECTS IN VIDEO DATA TECHNICAL PROGRESS REPORT NO. 3, 20 MAY - 29 JUL. 1966.
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NIOBIUM, CORROSION
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NITRIDES, THERMAL PROPERTIES
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ANALYSIS OF THE PERFORMANCE OF AN ARCJET DRIVEN BY HYDROGEN AND NITROGEN.
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NITROGEN COMPOUNDS, REACTION KINETICS
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SOME STUDIES OF THE IONIZING RADIATION INDUCED ISOTOPE EXCHANGE IN GASEOUS NITROGEN.
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A PREFACE TO THE NONADIABATIC THEORY OF ELECTRON-HYDROGEN IONIZATION.
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DEVELOPMENT OF NONDESTRUCTIVE TESTING TECHNIQUES FOR HONEYCOMB HEAT SHIELDS ANNUAL REPORT, 1 JUL. 1965 - 31 MAY 1966.
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SPEED-RATIO MEASUREMENTS IN NONEQUILIBRIUM NOZZLE AND FREE-JET EXPANSIONS.
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SIMPLIFIED MODEL OF SEGMENTED ELECTRODE LOSSES IN NONEQUILIBRIUM MHD GENERATORS.
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APPLICATIONS OF LIAPUNOV STABILITY THEORY TO CONTROL SYSTEMS.
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THE DETERMINATION OF ASYMPTOTIC AND PERIODIC BEHAVIOR OF DYNAMIC SYSTEMS ARISING IN CONTROL SYSTEM ANALYSIS FINAL REPORT.
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SOME HISTORICAL NOTES ON AIR INTERDICTION IN KOREA.
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NORTHERN HEMISPHERE, HUMIDITY
ATMOSPHERIC HUMIDITY ATLAS-NORTHERN HEMISPHERE.
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EXPERIMENTAL INVESTIGATION OF JET FORMATION BEHIND A SHOCK FRONT DURING DISCHARGE FROM DIVERGENT AND SUPERSONIC NOZZLES.
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EXPERIMENTAL EVALUATION OF THROAT INSERTS IN A STORABLE-PROPELLANT ROCKET ENGINE.
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CRATERS FROM SHORT-ROW CHARGES AND THEIR INTERACTION WITH PRE-EXISTING CRATERS.
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TRACE ELEMENTS IN COMMON ROCK TYPES AND THEIR RELATIVE IMPORTANCE IN NEUTRON-INDUCED RADIOACTIVITY CALCULATIONS.
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NUCLEAR INDUSTRIAL APPLICATIONS, METERS
COMPACTION CONTROL OF A MAJOR CONSTRUCTION PROJECT WITH THE MICHIGAN NUCLEAR GAGE US 127 RELOCATION, HOLT ROAD TO I 96 (F 33035B, C1 BI 33084A, C21).
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EFFECT OF THE TWO-PARTICLE SPIN-ORBIT NUCLEON-NUCLEON INTERACTION ON THE O16 AND N16 NUCLEI.
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NUCLEAR MODELS, SYMPOSIA
STRUCTURE OF LOW-MEDIUM MASS NUCLEI.
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EFFECT OF THE TWO-PARTICLE SPIN-ORBIT NUCLEON-NUCLEON INTERACTION ON THE O16 AND N16 NUCLEI.
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ANNUAL SUMMARY RESEARCH REPORT OF CHEMISTRY, ENGINEERING, METALLURGY, PHYSICS AND REACTOR DIVISIONS, JULY 1, 1965-JUNE 30, 1966.
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BOUCLE DE SOUFFLAGE DE LA CENTRALE EL 4-REGULATION DU DEBIT CO2 ETUDE ANALOGIQUE. TOME II FIGURES (BLOWING LOOP IN THE EL 4 REACTOR CO2 FLOW CONTROL ANALOGUE STUDY. VOLUME II FIGURES).
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ADVANCED PROPULSION TECHNIQUES.
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EFFECT OF NUCLEAR RADIATION ON MATERIALS AT CRYOGENIC TEMPERATURES QUARTERLY REPORT NO. 4, APR. 21 - JUL. 21, 1966.
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TEMPERATURE VARIATION OF THE SPIN-WAVE DISPERSION RELATION.
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ANALYSIS OF HEAT TRANSFER IN A THREE-LAYER SLAB CONSTANT

FLUX ON ONE SURFACE AND ZERO FLUX ON THE OTHER SURFACE (U).
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EXPERIMENTAL INVESTIGATION OF THE FORCED- CONVECTION AND NUCLEATE-BOILING HEAT-TRANSFER CHARACTERISTICS OF LIQUID AMMONIA.
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INFLUENCE OF THE IONS OF TRIVALENT IRON ON THE PHYSICAL-CHEMICAL PROPERTIES OF SOLUTIONS OF NATIVE DESOXYRIBONUCLEIC ACID.
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ON THE MECHANISM OF POLYETHYLIDENE FORMATION FROM DIAZOETHANE.
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A KINETIC INVESTIGATION ON THE FORMATION OF AMORPHOUS AND CRYSTALLINE POLYETHYLIDENE FROM THE DECOMPOSITION OF DIAZOETHANE IN ETHYL ETHER USING GOLD AS CATALYST.
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N66-39909 7B S04 24 HC$ 3.00 MF$ 0.65

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PASTEURELLA TULARENSIS, ANTIBIOTICS
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PASTEURELLA TULARENSIS, ANTIGENS + ANTIBODIES
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PASTEURELLA TULARENSIS, FLUORESCENT ANTIBODY TECHNIQUES
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AD-642 015 6M T67 01

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PATTERN RECOGNITION
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N66-39917 14E S04 24 HC$ 3.00 MF$ 0.65

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AD-642 680 6P T67 01

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SYNTHESIS OF FERROCENE-NITROGEN-CONTAINING POLYMERS WITH CONJUGATED BONDS.
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A KINETIC INVESTIGATION ON THE FORMATION OF AMORPHOUS AND CRYSTALLINE POLYETHYLIDENE FROM THE DECOMPOSITION OF DIAZOETHANE IN ETHYL ETHER USING GOLD AS CATALYST.
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VISCOELASTICITY AND PLASTICITY CONSIDERATIONS IN THE FRACTURE OF GLASSLIKE HIGH POLYMERS.
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SOLUTION OF SYSTEMS OF POLYNOMIAL EQUATIONS BY ELIMINATION.
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POLYSTYRENE
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THE USE OF DIGITAL COMPUTER FOR RECORD LINKAGE.
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RADIATION, GENETICS, AND VITAL STATISTICS. A PILOT STUDY IN DEMOGRAPHIC GENETICS.
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POPULATION, RECORDS
THE COST OF INDIVIDUAL FOLLOW-UP IN STUDIES OF LARGE POPULATIONS.
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DIRECT MEASUREMENT OF COMPRESSIBLE TURBULENT BOUNDARY LAYER SKIN FRICTION ON A POROUS FLAT PLATE WITH MASS INJECTION FINAL REPORT.
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EFFECT OF POTASSIUM DEPLETION ON RESPONSE TO ACUTE HEAT EXPOSURE IN UNACCLIMATIZED MAN.
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POWER CONVERSION
SNAP-8 ELECTRICAL GENERATING SYSTEM DEVELOPMENT PROGRAM SEMIANNUAL PROGRESS REPORT, 1 JUL. - 31 DEC. 1965.
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THE PHASE TRANSITION REGION OF PRO1.5.
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LONG-TERM EFFECTS OF AN OXYGEN ENVIRONMENT ON A RAT COLONY AT 210 MM. HG ABSOLUTE.
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EXPERIMENTAL AND THEORETICAL STUDY OF THE VISCOSEAL.
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ON THE PRESSURE DISTRIBUTION BEHIND THE REFLECTED DIFFRACTED SHOCK.
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THE DEVELOPMENT OF ERYTHROCYTIC STAGES OF PLASMODIUM FALCIPARUM IN THE GIBBON, HYLOBATES LAR.
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FALCIPARUM MALARIA TRANSMISSION TO THE GIBBON BY ANOPHELES BALABACENSIS.
AD-642 686 6C T67 01

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PLASMODIUM FALCIPARUM IN NON-HUMAN PRIMATES (MACAQUE MONKEYS).
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UPPER AND LOWER PROBABILITIES GENERATED BY A RANDOM CLOSED INTERVAL.
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PROBE FOR MEASURING ION DENSITY IN SLIGHTLY IONIZED HIGH SPEED FLOW.
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SCHEDULING SEVERAL PRODUCTS ON ONE MACHINE TO MINIMIZE CHANGE-OVERS.
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ATTITUDES OF PSYCHOLOGISTS TOWARD THEIR JOBS.
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REQUIREMENTS STUDY FOR SYSTEM IMPLEMENTATION OF AN ATMOSPHERIC LASER PROPAGATION EXPERIMENT PROGRAM, VOLUME II.
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LASER SPACE COMMUNICATIONS STUDY (LACE) FINAL SUMMARY REPORT.
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XPSTC, A FORTRAN DYNAMIC STORAGE ALLOCATOR.
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A METHOD FOR COMPUTING THE INCOMPLETE BETA FUNCTION RATIO.
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TIDY, A COMPUTER CODE FOR RENUMBERING AND EDITING FORTRAN SOURCE PROGRAMS.
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OGO-POGO TELEMETRY DATA PROCESSING PROGRAM.
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DIGITAL SIMULATION OF THE WIENER CANONICAL EXPANSION.
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DESCRIPTION OF THE ENIAC CONVERTER CODE.

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THE CATALOG A FLEXIBLE STRUCTURE FOR DATA STORAGE,
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A GENERAL LEAST SQUARES FIT COMPUTER PROGRAM,
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RESEARCH INTO THE MANAGEMENT OF COMPUTER PROGRAMMING SOME CHARACTERISTICS OF PROGRAMMING COST DATA FROM GOVERNMENT AND INDUSTRY,
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AIR FORCE MANAGEMENT OF COMPUTER PROGRAM ACQUISTION,
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QUALITY CONTROL FOR SYSTEMS AND PROGRAMMING A SURVEY OF THE LITERATURE,
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A THREE-REGION KINETICS CODE IN FORTRAN-IV,
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SPHERICAL ZONE BOUNDARIES IN PERSPECTIVE PROJECTION,
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PROPAGATION
SPECIFICATION OF ATMOSPHERIC LASER PROPAGATION EXPERIMENTS, VOLUME II,
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PROPAGATION, PLASMA MEDIUM
ON PULSED ELECTROMAGNETIC WAVE PROPAGATION IN DISPERSIVE MEDIA,
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SUMMARY OF LITERATURE SURVEY OF HYPERGOLIC IGNITION SPIKE PHENOMENA, PHASE I FINAL REPORT, APR. 8 - DEC. 31, 1965.
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HISTORICAL SUMMARY SAFETY DATA PERTINENT TO MANUFACTURE AND LOADING OF SOLID PROPELLANT,
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LIGHT WEIGHT PROPELLER BLADE DEVELOPMENT,
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DEVELOPMENT AND EVALUATION OF CRYSTALLINE ELECTRO-OPTICAL SHUTTERS,
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ETUDES DES CARACTERISTIQUES MAGNETIQUES DES FERRITES EN VUE DE LEUR APPLICATION DANS UN SYNCHROTRON A PROTONS (STUDY OF THE MAGNETIC CHARACTERISTICS OF FERRITES WITH A VIEW TO THEIR APPLICATION IN A PROTON SYNCHROTRON,
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DEUTERON PRODUCTION IN PROTON-PROTON COLLISIONS FROM 1.5 TO 3 GEV,
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REPETITIVE PSYCHOMETRIC MEASURES EQUATING ALTERNATE FORMS, A REPLICATION,
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AD-642 201 20E T67 01

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INCOHERENT SOURCE OPTICAL PUMPING OF VISIBLE AND INFRARED SEMICONDUCTOR LASERS,
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CONTROL OF METASTABLES BY OPTICAL METHODS AND ITS APPLICATION TO GASEOUS LASERS,
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X-RAY CRYSTALLOGRAPHY OF THE PHENYL TRIPHOSPHONITRILES. II. THE CRYSTAL STRUCTURE OF 2,2-DICHLORO-4,4,6,6-TETRAPHENYL CYCLOTRIPHOSPHAZATRIENE,
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OPTIMAL OPERATING POLICIES FOR STOCHASTIC SERVICE SYSTEMS.
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PROPAGATION OF VLF RADIO WAVES IN A MODEL EARTH-IONOSPHERE WAVEGUIDE OF ARBITRARY HEIGHT AND FINITE SURFACE IMPEDANCE BOUNDARY THEORY AND EXPERIMENT.
AD-642 327 17B T67 01

RADIOACTIVATION ANALYSIS, MANGANESE
A SIMPLIFIED RAPID DETERMINATION OF MANGANESE IN BIOLOGICAL SPECIMENS BY NEUTRON ACTIVATION ANALYSIS.
AD-642 704 6A T67 01

RADIOACTIVE FALLOUT, HEALTH PHYSICS
HEALTH AND SAFETY LABORATORY FALLOUT PROGRAM, QUARTERLY SUMMARY REPORT, MARCH 1, 1966-JUNE 1, 1966.
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RADIOACTIVE FALLOUT, MATHEMATICAL MODELS
PROJECT STARDUST.
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RADIOACTIVE FALLOUT, SCATTERING
PARTICLE FALLOUT AND DISPERSION IN THE ATMOSPHERE.
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CATHODIC ETCHING TO PREPARE RADIOACTIVE SAMPLES FOR OXYGEN DETERMINATION.
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ESTIMATING THE IMPORTANCE OF INDIVIDUAL RADIONUCLIDES IN FISSION AND INDUCED PRODUCT MIXTURES.
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REVIEW OF ORNL ELECTROMAGNETIC SEPARATIONS PROGRAM, 1965.
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DOSAGE DES PRODUITS DE FISSION DANS LES EFFLUENTS DE TRAITEMENT DES COMBUSTIBLES IRRADIES (ELECTROPHORESE)
(FISSION PRODUCT DETERMINATION IN IRRADIATED FUEL PROCESSING WASTE (ELECTROPHORESIS).
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CONTROLLED ENVIRONMENTAL RADIOIODINE TESTS.
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INTRASPECIES BIOLOGICAL AND BEHAVIORAL VARIABILITY.
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INTRODUCTION TO LONG-TERM BIOLOGICAL EFFECTS OF NUCLEAR WAR.
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ANNUAL REPORT FISCAL YEAR 1966.
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PRODUCTION ENGINEERING MEASURE FOR CERAMIC FILTERS.
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HETERODYNE FREQUENCY METER AND CRYSTAL CALIBRATOR TS-323/UR.
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ON SOME PROPERTIES OF SOLAR STORM BURSTS IN THE 200 MC/S REGION.
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STUDY OF THE RADIO FREQUENCY SPECTRUM OF THE SUN.
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INVESTIGATIONS OF ULF-RADIATION.
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RADIOGRAPHY
RELATIONSHIPS BETWEEN WELD QUALITY AND NON- VACUUM ELECTRON BEAM WELDING PROCEDURES TECHNICAL PROGRESS SUMMARY REPORT, 15 JUN. 1965 - 15 FEB. 1966.
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KIWI TRANSIENT NUCLEAR TEST DOSE RATE SURVEY.
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PROJECT STARDUST.
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ANNUAL REPORT ON RESEARCH PROJECT.
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DOSE TO VARIOUS BODY ORGANS FROM INHALATION OR INGESTION OF SOLUBLE RADIONUCLIDES.
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LARGE CROSS-LINKED POLYSTYRENE SLAB SUFFERS THERMAL FATIGUE.
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WAVE VECTOR DEPENDENCE OF THE RAMAN EFFECT IN CRYSTALS.
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COMBUSTION OF GASEOUS HYDROGEN AT LOW PRESSURES IN A 35 DEG SECTOR OF A 28-INCH-DIAMETER RAMJET COMBUSTOR.
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RARE EARTH FRACTIONATION IN HAWAIIAN VOLCANIC ROCKS.
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THE PHASE TRANSITION REGION OF PR01.5.
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SCATTERING FUNCTIONS FOR RAYLEIGH ATMOSPHERES OF ARBITRARY THICKNESS.
AD-642 366 4A T67 01

REACTOR ACCIDENTS, RADIOLOGICAL DOSAGE
EVALUATION RAPIDE DE LA DOSE DE NEUTRONS A LA SUITE D UN ACCIDENT DE CRITICITE PAR MESURE DE L ACTIVITE DE 24 NA
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ETUDE ET REALISATION D UN ENSEMBLE DE CALCUL PUISSANCE - PERIODE POUR LE CONTROLE D UN REACTEUR NUCLEAIRE
(DEVELOPMENT OF A POWER-PERIOD CALCULATION UNIT FOR NUCLEAR REACTOR CONTROL).
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INSTRUMENTATION AND CONTROLS DIVISION ANNUAL PROGRESS REPORT FOR PERIOD ENDING SEPTEMBER 1, 1965.
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REACTOR COOLANTS, REACTOR OPERATION
STEP PROJECT.
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STEP PROJECT.
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LIQUID SODIUM METAL COOLED FAST BREEDER REACTOR (LMFBR) PROGRAM.
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QUARTERLY METALLURGY PROGRESS REPORT NUMBER 31, APRIL 1-JUNE 30, 1966.
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STUDIES ON THE FORMATION OF PU2O3 IN THE SINTERING OF PUO2.
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MOUND LABORATORY QUARTERLY PROGRESS REPORT, JANUARY-MARCH 1966.
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AN EVALUATION OF THE ATOMICS INTERNATIONAL 1000 MWE FAST BREEDER REACTOR.
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REVISED SAFETY ANALYSIS REPORT FOR THE SUPER KUKLA PROMPT BURST REACTOR.
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RECURSIVE, COMPLEX FOURIER ANALYSIS FOR REAL-TIME APPLICATIONS.
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RECOMBINATION COEFFICIENT OF THE NIGHTTIME F-REGION FROM INCOHERENT SCATTER MEASUREMENTS SCIENTIFIC REPORT NO. 279.
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ANALYTICAL INVESTIGATION OF THE REENTRY BEHAVIOR OF THE FLYING WING TUNNEL TEST VEHICLE, WITH SOME EFFECTS OF THRESHOLD AND TORQUE LEVEL OF A ROLL-RATE CONTROL SYSTEM.
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NAVIGATION ACCURACY FOR INFRARED EQUIPPED APOLLO AIRCRAFT FOR REENTRY TRACKING.
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HIGH-ALTITUDE ATMOSPHERIC MEASUREMENTS FOR THE REENTRIES OF GEMINI 6 AND GEMINI 7.
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THE UPGRADING OF TIN ORE BY CONTINUOUS AGGLOMERATION.
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REFLECTOR ARRAYS ANNUAL SUMMARY REPORT, 1 APR. 1965 - 30 APR. 1966.
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GENERATION OF LONG TIME CREEP DATA ON REFRACTORY ALLOYS AT ELEVATED TEMPERATURES TWELFTH QUARTERLY REPORT, 26 MAR. - 26 JUN. 1966.
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THERMODYNAMICS OF CERTAIN REFRACTORY COMPOUNDS, VOLUME I. DISCUSSION OF THEORETICAL STUDIES. SECTION I-VI.
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SIZE AND POWER REQUIREMENTS OF 4.2 K REFRIGERATORS.
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A NOTE CONCERNING THE TEMPERATURE PROFILE WITHIN A THERMOMAGNETIC ENERGY CONVERTER.
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THE EFFECTS OF THE NODAL REGRESSION OF THE ORBIT ON THE GRAVITY PRECESSION OF A GYROSCOPIC SATELLITE.
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SPINOR CALCULUS IN RIEMANNIAN MANIFOLDS.
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RELATIVITY THEORY, TEST METHODS
ROSS-SCHIFF ANALYSIS OF A PROPOSED TEST OF GENERAL RELATIVITY A CRITIQUE.
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RELAXATION DESIGN OF SEPARABLE TUBE CONNECTORS.
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THE RELAY I RADIATION EFFECTS EXPERIMENT.
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RELIABILITY SCREENING USING INFRARED RADIATION.
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DESCRIPTIVE CATALOGING GUIDE.
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MELANOMAS OF THE VAGINA.
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RESEARCH PROGRAM ADMINISTRATION, CANADA
THE NATIONAL RESEARCH COUNCIL TODAY A HALF CENTURY IN SERVICE OF SCIENCE.
AD-642 459 5A T67 01

RESIDUAL GAS
DEVELOPMENT OF A MASS SPECTROMETER DESIGN FINAL REPORT, JUN. 1, 1964 - DEC. 31, 1964.
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MEASUREMENTS OF THE THERMAL CONDUCTIVITY AND ELECTRICAL RESISTIVITY OF PLATINUM FROM 373 TO 1373K.
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UNICORN A PROGRAM TO CALCULATE POINT CROSS SECTIONS FROM RESONANCE PARAMETERS,
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RESPIRATORY DISEASES, ANTIGENS + ANTIBODIES
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SOME CONSIDERATIONS ON EYE HAZARDS WITH LASERS.
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THE EFFECTS OF HIGH-INTENSITY RADIANT STIMULATION OF VARYING WAVELENGTHS AND DURATIONS ON RETINAL SENSITIVITY,
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LABORATORY ANIMAL SCIENCE A REVIEW OF THE LITERATURE FOR JANUARY, FEBRUARY, AND MARCH 1966,
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EXPERIMENTAL AND THEORETICAL STUDY OF THE VISCOSEAL.
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RHODIUM COMPOUNDS, COMPLEX COMPOUNDS
TETRAKIS (TRIFLUOROMETHYL) CYCLOPENTADIENONE AND SOME HEXAFLUOROBUT-2-YNE COMPLEXES OF RHODIUM,
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SYNTHESE DE RNA A PARTIR DE NUCLEOSIDES TRIPHOSPHATES, PAR UNE FRACTION SUBCELLULAIRE PARTICULAIRE D E. COLI POSSEDANT LA RNA-POLYMERASE (SYNTHESIS OF RNA BEGINNING WITH NUCLEOSIDE TRIPHOSPHATES, BY A PARTICULATE SUBCELLULAR FRACTION OF E. COLI CONTAINING THE RNA-POLYMERASE),
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ISOLEMENT PAR GRADIENT DE SACCHAROSE D UNE PARTICULE LEGERE INDUCTIBLE IN VITRO POUR LA BETA-GALACTOSIDASE LOCALISATION DE LA RNA-POLYMERASE DANS LA STRUCTURE MEMBRANAIRE (SEPARATION BY SUCROSE GRADIENT OF A LIGHT PARTICLE INDUCIBLE IN VITRO FOR BETA-GALACTOSIDASE LOCALIZATION OF THE RNA-POLYMERASE IN THE MEMBRANOUS STRUCTURE),
AD-642 610 6A T67 01

RICKETTSIA RICKETTSII, DISEASES
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AD-642 483 6M T67 01

RIGID BODY
THE DETERMINATION OF ASYMPTOTIC AND PERIODIC BEHAVIOR OF DYNAMIC SYSTEMS ARISING IN CONTROL SYSTEM ANALYSIS FINAL REPORT,
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EXPLORATORY FLIGHT INVESTIGATION AND ANALYSIS OF STRUCTURAL LOADS ENCOUNTERED BY A HELICOPTER HINGELESS ROTOR SYSTEM.
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DEVELOPMENT OF A 425 FOOT DIAMETER PASSIVE COMMUNICATION SATELLITE WITH SELF-ERECTING PROPERTIES QUARTERLY PROGRESS REPORT NO. 9,
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COMPACTION CONTROL OF A MAJOR CONSTRUCTION PROJECT WITH THE MICHIGAN NUCLEAR GAGE US 127 RELOCATION, HOLT ROAD TO I 96 (F 33035B, C1 BI 33084A, C21).
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SPECTROCHEMICAL ANALYSIS, SPECTROSCOPY, SPECTROPHOTOMETERS, SPECTROPHOTOMETRY, PHOTOMETRY, REFLECTOMETRY, COLORIMETRY, TRI-STIMULUS COLOR, CHROMATOGRAPHY,
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DEVELOPMENT OF APPLICATIONS OF THE CRITICAL PATH METHOD OF MANAGEMENT CONTROL TO STATEWIDE HIGHWAY PROGRAMMING, VOLUME II,
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TENSILE TESTING OF ROAD MATERIALS,
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NONISENTROPIC NONSTEADY LIQUID FLOW WITH CENTRIFUGAL, GRAVITATIONAL, AND DISSIPATIVE FORCES.
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APPLICATION DU PRINCIPE DE SIMILITUDE A LA MESURE GAMMA-GAMMA DE DENSITE (APPLICATION OF THE SIMILITUDE PRINCIPLE TO GAMMA-GAMMA DENSITY MEASUREMENTS),
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TRACE ELEMENTS IN COMMON ROCK TYPES AND THEIR RELATIVE IMPORTANCE IN NEUTRON-INDUCED RADIOACTIVITY CALCULATIONS,
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RODENTS, PASTEURELLA PESTIS
LINGERING FORMS OF PLAGUE IN LABORATORY ANIMALS. REPORT IV. GENERALIZATION OF LINGERING FORMS OF PLAGUE FOLLOWING THE LOWERING OF THE RESISTANCE OF THE MACROORGANISM,
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SINGLE-SIDEBAND MODULATION
COMPARISON OF SPECTRA OF SINGLE SIDEBAND AND PHASE MODULATED SIGNALS.
N66-39699 9D S04 24 HC$ 3.00 MF$ 0.65

SKELETON, AGING(PHYSIOLOGY)
SKELETAL AGE CHANGES IN THE CHIMPANZEE.
AD-642 676 6C T67 01

SKIN FRICTION
THE DESIGN OF A SKIN FRICTION METER FOR USE IN EXTREME ENVIRONMENTAL CONDITIONS FINAL REPORT.
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DIRECT MEASUREMENT OF COMPRESSIBLE TURBULENT BOUNDARY LAYER SKIN FRICTION ON A POROUS FLAT PLATE WITH MASS INJECTION FINAL REPORT.
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SLEEP, ELECTROENCEPHALOGRAPHY
THE ELECTROENCEPHALOGRAM DURING ALL NIGHT RECORDING STAGES OF SLEEP.
AD-642 451 6P T67 01

SLENDER BODY
HYPERSONIC AERODYNAMIC PERFORMANCE OF MINIMUM-WAVE-DRAG BODIES.
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SLENDER WING
TWO-DIMENSIONAL, POWER-LAW WINGS OF MAXIMUM LIFT-TO-DRAG RATIO IN HYPERSONIC FLOW.
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SLOT ANTENNAS, ANTENNA RADIATION PATTERNS
TWO-WAY PATTERN SIMULATION BY ANALOG AND ANALYTICAL METHODS.
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SMALL TOOLS, OPERATION
MIMIC TOOL SETTER.
RFP-666 13I N28 22 HC$ 3.00 MF$ 0.65

SNOW, DENSITY
DEVELOPMENT OF A SYSTEM TO MEASURE THE DENSITY OF DRIFTING SNOW.
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SOCIAL PSYCHOLOGY, BEHAVIOR
TECHNIQUES OF INDUCING COOPERATION BETWEEN ADVERSARIES.
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SOCIAL PSYCHOLOGY, COUNTERINSURGENCY
COMBATING SUBVERSIVELY MANIPULATED CIVIL DISTURBANCES.
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GENERAL THEORETICAL PROBLEMS RELATED TO ORGANIZATIONAL TAXONOMY A MODEL SOLUTION AND ITS ASSUMPTIONS.
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SODIUM, LIQUID METALS
KINETICS OF EXCESS SOLUTE PRECIPITATION IN LIQUID SODIUM SOLUTIONS.
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SOFT LANDING
MINIMUM-FUEL, TWO-IMPULSE, SOFT LUNAR LANDING ORBITS.
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SOFT LANDINGS, BUOYANCY
BUOYANT PLANETARY ENTRY.
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SOLAR ATMOSPHERE
A HIGH ALTITUDE MEASUREMENT TO DETERMINE THE RATIO OF DEUTERIUM TO HYDROGEN IN THE SOLAR ATMOSPHERE FINAL REPORT, 1 JUN. 1965 - 30 MAR. 1966.
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SOLAR CELL
THE RELAY I RADIATION EFFECTS EXPERIMENT.
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ON SOME PROPERTIES OF SOLAR STORM BURSTS IN THE 200 MC/S REGION.
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SOLAR ECLIPSES, RADIO ASTRONOMY
2700 MC/S RADIO OBSERVATIONS OF THE SUN DURING THE TOTAL ECLIPSE OF JULY 20, 1963.
AD-642 463 3A T67 01

SOLAR FLUX

CHARACTERISTICS OF SOLAR ACTIVITY AT 4 AND 8.6 MILLIMETERS FINAL REPORT, MAY 1, 1965 - JUL. 1, 1966.
N66-39686 3B S04 24 HC$ 3.00 MF$ 0.65

SOLAR RADIATION, RADIOFREQUENCY SPECTROSCOPY
STUDY OF THE RADIO FREQUENCY SPECTRUM OF THE SUN.
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SOLAR SPECTRUM, MEASUREMENT
MEASUREMENTS OF THE CENTER-LIMB VARIATIONS ON THE H- AND K-LINES OF CAII IN UNDISTURBED AND ACTIVE REGIONS ON THE SUN.
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SOLAR SYSTEMS, SPECTROPHOTOMETERS
SOLAR SYSTEM SPECTROPHOTOMETRY.
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THE SOLAR WIND.
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INTEGRATED RESEARCH AND TRAINING IN SPACE-MOLECULAR BIOLOGY SEMIANNUAL PROGRESS REPORT, APR. 1 - SEP. 30, 1966.
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EXPERIMENTAL INVESTIGATION OF TRANSVERSE-MODE SOLID-PROPELLANT COMBUSTION INSTABILITY IN A VORTEX BURNER.
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RESEARCH ON THE DEFLAGRATION OF HIGH-ENERGY SOLID OXIDIZERS.
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ANNUAL TECHNICAL REPORT, SEPTEMBER 16, 1965-SEPTEMBER 15, 1966.
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AD-642 566 20L T67 01 HC$ 3.00 MF$ 0.65

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SOLUBILITY STUDIES OF ULTRA PURE TRANSITION ELEMENTS IN ULTRA PURE ALKALI METALS.
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SOLUTIONS, OPTICAL PHENOMENA
ELECTRIC FIELD EFFECT ON THE CRITICAL OPALESCENCE. II. RELAXATION TIMES OF CONCENTRATION FLUCTUATIONS.
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STUDY BY EXTRACTION OF THE REACTION BETWEEN ARSENIC TRIBROMIDE AND ORGANIC SOLVENTS.
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CHROMATOGRAPHY AND SOLVENT EXTRACTION OF ORGANOMETALLIC COMPLEXES.
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CURIUM PROCESS DEVELOPMENT. III-1. ANALYTICAL TECHNIQUES FOR CHARACTERIZING SOLVENT.
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SONAR EQUIPMENT, CALIBRATION
NEL MOBILE SONAR CALIBRATION BARGE.
AD-642 262 17A T67 01 HC$ 3.00 MF$ 0.65

SONAR EQUIPMENT, UNDERWATER OBJECT LOCATORS
A SHIP TWICE LOST AND FOUND.
AD-642 603 17A T67 01

SONAR RECEIVERS, PERFORMANCE(ENGINEERING)
SOME EFFECTS OF INTER-ELEMENT CORRELATION AND CLIPPING ON THE PERFORMANCE OF RECEIVING ARRAYS.
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ACOUSTICAL AND VIBRATIONAL STUDIES RELATING TO AN OCCURRENCE OF SONIC BOOM INDUCED DAMAGE TO A WINDOW GLASS IN A STORE FRONT.
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EFFECT OF SONIC BOOMS OF VARYING OVERPRESSURES ON SNOW AVALANCHES.
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FABRICATION OF STRUCTURAL SPECIMENS FOR THE INVESTIGATION OF PEAK PRESSURE AND MULTI-MODE EFFECTS OF SONIC FATIGUE.
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SOUND SIGNALS, INTENSITY
A TABLE OF INTENSITY INCREMENTS.
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A PROGRAM OF X-RAY ASTRONOMY FROM SOUNDING ROCKET FINAL REPORT.
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ROCKET INSTRUMENTATION FOR AURORAL MEASUREMENTS - NIROS AD 7.618D AND AD 7.619D.
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SOME HISTORICAL NOTES ON AIR INTERDICTION IN KOREA.
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APPLICATION OF IMMOBILIZED BIOLOGICAL AGENTS TO WASTE TREATMENT FINAL REPORT, 25 MAY 1965 - 24 JUL. 1966.
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REQUIREMENTS STUDY FOR SYSTEM IMPLEMENTATION OF AN ATMOSPHERIC LASER PROPAGATION EXPERIMENT PROGRAM, VOLUME II.
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LASER SPACE COMMUNICATIONS STUDY (LACE) FINAL SUMMARY REPORT.
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SIGNAL DESIGN FOR SPACE COMMUNICATION CHANNELS, PART I.
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CONFERENCE ON GUIDANCE THEORY AND TRAJECTORY ANALYSIS.
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SPACE FLIGHT, FLUID MECHANICS
THE FLUID DYNAMIC ASPECTS OF SPACE FLIGHT. VOLUME I.
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SPACE MEDICINE, CENTRAL NERVOUS SYSTEM
THE EFFECT OF SPACEFLIGHT FACTORS ON CENTRAL NERVOUS SYSTEM FUNCTIONS SUMMARY OF DATA.
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SPACE MEDICINE, USSR
PROBLEMS OF SPACE MEDICINE COMPILATION OF ABSTRACTS.
AD-642 715 6S T67 01 HC$ 3.00 MF$ 0.65

SPACE PERCEPTION, BIBLIOGRAPHIES
CATALOG OF TRANSLATED MATERIAL IN SPACE PERCEPTION (REVISED).
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SPACE PROGRAM
THE SOVIET CHALLENGE IN SPACE.
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PROMISES AND POTENTIALITIES OF ELECTRIC PROPULSION STATUS OF THRUSTOR PERFORMANCE.
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SPACE PROPULSION, ION ENGINES
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AD-642 743 21C T67 01

SPACE PROPULSION, SYMPOSIA
ADVANCED PROPULSION TECHNIQUES.
AD-642 256 21C T67 01

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INVESTIGATION OF SPACE RENDEZVOUS PROPULSION SYSTEM REQUIREMENTS. VOLUME I - SUMMARY FINAL REPORT, 20 NOV. 1961 19 DEC. 1962.
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INVESTIGATIONS OF SPACE STORABLE PROPELLANTS (OF2)B2H6/ FINAL REPORT.
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MEASUREMENT OF THERMAL CONDUCTANCE OF MULTILAYER AND OTHER INSULATION MATERIALS FINAL REPORT, OCT. 22, 1964 - DEC. 31, 1965.
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CONTROL OPTIMIZATION, STABILIZATION AND COMPUTER ALGORITHMS FOR SPACE APPLICATIONS FIRST STATUS REPORT, MAR. 1 - AUG. 31 1966.
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A STUDY OF APOLLO ANTENNA AND SIGNAL PERFORMANCE IN CERTAIN ATMOSPHERES FINAL REPORT, 21 SEP. 1965 - 21 APR. 1966.
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RESEARCH ON MICROBIOLOGICAL STERILIZATION PROBLEMS QUARTERLY REPORT, JUL. - SEP. 1966.
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AN ANALYTICAL APPROACH TO SOLUTION OF TWO- POINT BOUNDARY CONDITION PROBLEMS IN OPTIMAL GUIDANCE SUMMARY REPORT, MAY 1965 - APR. 1966.
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SPACE NAVIGATION GUIDANCE AND CONTROL.
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STUDY AND ANALYSIS OF SATELLITE POWER SYSTEMS CONFIGURATIONS FOR MAXIMUM UTILIZATION OF POWER FIFTH QUARTERLY PROGRESS REPORT, 19 MAY - 18 JUL. 1966.
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DEVELOPMENT OF SENSORS TO OBTAIN IN-FLIGHT ABLATION MEASUREMENTS OF THERMAL-PROTECTION MATERIALS.
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SURVEY OF BIOCLEAN FACILITIES, VOLUME I - GUIDELINES FOR EVALUATION, CONDUCT OF SURVEY, AND COST ESTIMATION FOR MODIFICATIONS.
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THE RELATIONS BETWEEN EXPERIMENT REQUIREMENTS, ENVIRONMENTS, AND SPACECRAFT DESIGN.
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A METHOD FOR COMPUTING THE INCOMPLETE BETA FUNCTION RATIO.
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INFRARED RADIATION MEASUREMENTS OF COMBUSTION GASES EIGHTH QUARTERLY PROGRESS REPORT, APR. 1 - JUN. 30, 1966.
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SOLAR CORONA EMISSION IN THE SPECTRUM REGION LAMBDA LESS THAN 10 ANGSTROM.
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SOLAR SYSTEM SPECTROPHOTOMETRY.
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COMPARISON OF SPECTRA OF SINGLE SIDEBAND AND PHASE MODULATED SIGNALS.
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A COMPARISON OF FIVE ARTICULATION TESTS.
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AD-642 506 17B T67 01

THE EFFECT OF ROOM CHARACTERISTICS UPON VOCAL INTENSITY AND RATE.
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AD-642 481 17B T67 01

THE RELATION BETWEEN MESSAGE-TYPE AND VOCAL RATE AND INTENSITY.
AD-642 508 17B T67 01

SPEECH, INTENSITY
LOUDNESS OF SPEAKING THE EFFECT OF THE INTENSITY OF SIDE-TONE UPON THE INTENSITY OF THE SPEAKER.
AD-642 189 17B T67 01 HC$ 3.00 MF$ 0.65

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THE EFFECT ON VOCAL FREQUENCY AND INTENSITY OF HEARING SUSTAINED TONES WHILE READING.
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SPINELS, FERROMAGNETISM
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GAS-SURFACE INTERACTIONS.
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THE STALL BARRIER AS A NEW PREVENTIVE IN GENERAL AVIATION ACCIDENTS.
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CHEMICAL AND BIOLOGICAL PROPERTIES OF REDUCED AND ALKYLATED STAPHYLOCOCCAL ENTEROTOXIN B.
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INVESTIGATION OF O AND B SPECTRA OF STARS.
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OBSERVATIONS OF GALACTIC AND EXTRA-GALACTIC EMISSION AT 408 MC/S. THE DETERMINATION OF THE ACCURATE POSITIONS OF RADIO SOURCES BY THE LUNAR OCCULTATION TECHNIQUE. OBSERVATIONS OF EMISSION FROM FLARE STARS.
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AD-642 388 4B T67 01 HC$ 3.00 MF$ 0.65

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BAYESIAN ANALYSIS OF A THREE-COMPONENT HIERARCHICAL DESIGN MODEL,
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ADMISSIBLE BAYES PROCEDURES AND CLASSES OF EPSILON BAYES PROCEDURES FOR TESTING HYPOTHESES IN A MULTINOMIAL DISTRIBUTION.
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AD-642 665 12A T67 01

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AD-642 045 12A T67 01

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AD-642 399 7D T67 01 HC$ 3.00 MF$ 0.65

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AD-642 045 12A T67 01

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ON FISHER S BOUND FOR ASYMPTOTIC VARIANCES.
AD-642 559 12A T67 01

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AD-642 559 12A T67 01

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STRUCTURAL EFFECTS OF ARYLSTEARIC ACIDS AS COMBINATION OXIDATION AND RUST INHIBITORS.
AD-642 294 11H T67 01

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INITIAL EVALUATIONS OF METALLURGICAL VARIABLES AS POSSIBLE FACTORS CONTROLLING THE RADIATION SENSITIVITY OF STRUCTURAL STEELS,
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MINIMUM-FUEL ATTITUDE CONTROL OF A RIGID BODY IN ORBIT BY AN EXTENDED METHOD OF STEEPEST-DESCENT.
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AD-642 226 20N T67 01

STOCHASTIC PROCESSES, PATTERN RECOGNITION
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AD-642 612 6D T67 01 HC$ 3.00 MF$ 0.65

STOL AIRCRAFT
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STORABLE PROPELLANT
EXPERIMENTAL EVALUATION OF THROAT INSERTS IN A STORABLE-PROPELLANT ROCKET ENGINE.
N66-39544 21M S04 24 HC$ 3.00 MF$ 0.65

STORAGE BATTERIES, ELECTROCHEMISTRY
CHEMOELECTRIC ENERGY CONVERSION FOR NONAQUEOUS RESERVE BATTERIES.
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AD-642 279 18M T67 01 HC$ 3.00 MF$ 0.65

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AD-642 128 11F T67 01 HC$ 3.00 MF$ 0.65

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AD-642 545 11L T67 01

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AD-642 599 5J T67 01 HC$ 3.00 MF$ 0.65

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N66-39527 11F S04 24 HC$ 3.00 MF$ 0.65

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REINFORCED PLASTICS AS STRUCTURAL MATERIALS.
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STRUCTURAL SHELLS, AEROELASTICITY
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AD-642 125 20K T67 01 HC$ 3.00 MF$ 0.65

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AD-642 762 20K T67 01 HC$ 3.00 MF$ 0.65

STRUCTURAL SHELLS, ELASTICITY
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AD-642 554 13H T67 01

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AD-642 389 7D T67 01 HC$ 3.00 MF$ 0.65

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AD-642 093 11D T67 01 HC$ 3.00 MF$ 0.65

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AD-642 734 13J T67 01 HC$ 3.00 MF$ 0.65

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AD-642 735 13J T67 01 HC$ 3.00 MF$ 0.65

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AD-642 739 13J T67 01 HC$ 3.00 MF$ 0.65

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AD-642 346 13L T67 01 HC$ 3.00 MF$ 0.65

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AD-642 768 9A T67 01 HC$ 3.00 MF$ 0.65

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SUBSONIC FLOW, FLOW VISUALIZATION
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N66-39621 1A S04 24 HC$ 3.00 MF$ 0.65

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AD-642 570 7D T67 01

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AD-642 760 7B T67 01 HC$ 3.00 MF$ 0.65

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N66-39332 22C S04 24 HC$ 3.00 MF$ 0.65

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N66-39339 20F S04 24 HC$ 3.00 MF$ 0.65

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AD-642 142 20L T67 01

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SUPERCONDUCTIVITY AND LONG-RANGE ORDERING IN A15-TYPE STRUCTURES.
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SUPERSONIC FLOW
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N66-39724 20I S04 24 HC$ 3.00 MF$ 0.65

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SUPERSONIC FLOW, AIRFOILS
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AD-642 155 20D T67 01 HC$ 3.00 MF$ 0.65

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SUPERSONIC FLOW, TURBULENCE
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N66-39620 1A S04 24 HC$ 3.00 MF$ 0.65

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STABILITY AND CONTROL CHARACTERISTICS AT A MACH NUMBER OF 1.41 OF A VARIABLE-SWEEP AIRPLANE CONFIGURATION CAPABLE OF LOW-LEVEL SUPERSONIC ATTACK-OUTER WING SWEPT 75 DEG AND 108 DEG.
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AD-642 130 20K T67 01 HC$ 3.00 MF$ 0.65

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AD-642 341 6E T67 01 HC$ 3.00 MF$ 0.65

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N66-39943 20K S04 24 HC$ 3.00 MF$ 0.65

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BNWL-214 6L N20 22 HC$ 3.00 MF$ 0.65

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AD-642 519 20L T67 01 HC$ 3.00 MF$ 0.65

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PB-173 516 14B U67 01 HC$ 3.00 MF$ 0.65

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PB-173 526 14B U67 01 HC$ 3.00 MF$ 0.65

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PB-173 529 14B U67 01 HC$ 3.00 MF$ 0.65

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SOVIET WATCH-TESTING DEVICES ANALYTICAL SURVEY.
AD-642 051 14B T67 01 HC$ 3.00 MF$ 0.65

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NEL MOBILE SONAR CALIBRATION BARGE.
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AD-642 498 20B T67 01 HC$ 3.00 MF$ 0.65

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THERMAL SIMULATION
THERMAL MANIKIN.
N66-39895 6B S04 24 HC$ 3.00 MF$ 0.65

THERMAL STRESS
TRANSIENT DYNAMICS AND THERMAL STRESS FOR NUCLEAR ROCKET HEAT-EXCHANGER.
N66-39722 18I S04 24 HC$ 3.00 MF$ 0.65

THERMIONIC CATHODE
THE BA O- NI MATRIX CATHODE FORMED BY THE NICKELATE TECHNIQUE.
N66-39289 7B S04 24 HC$ 3.00 MF$ 0.65

THERMIONIC CONVERTERS, CESIUM
THE DEVELOPMENT OF AN ADSORPTION CESIUM RESERVOIR.
NYO-3642-2 10A N20 22 HC$ 3.00 MF$ 0.65

THERMIONIC EMISSION, HIGH-TEMPERATURE RESEARCH
EFFECT OF THERMIONIC EMISSION ON ELECTROCHEMICAL MEASUREMENTS AT HIGH TEMPERATURES.
AD-642 457 20C T67 01

THERMOCHEMISTRY, COMPLEX COMPOUNDS
COORDINATION CHEMISTRY OF GROUP III.
AD-642 263 7B T67 01 HC$ 3.00 MF$ 0.65

THERMOCONDUCTIVITY
MEASUREMENT OF THERMAL CONDUCTANCE OF MULTILAYER AND OTHER INSULATION MATERIALS FINAL REPORT, OCT. 22, 1964 - DEC. 31, 1965.
N66-39708 20H S04 24 HC$ 3.00 MF$ 0.65

THERMODYNAMIC EQUILIBRIUM
EXPERIMENTAL STUDIES CONCERNING EQUILIBRIUM SYSTEMS IN PRE-BIOLOGICAL ATMOSPHERES PROGRESS REPORT, MAR. 1 - AUG. 31, 1966.
N66-39913 7C S04 24 HC$ 3.00 MF$ 0.65

THERMODYNAMICS, CONTINUUM MECHANICS
A THERMODYNAMIC DEVELOPMENT OF ELASTIC-PLASTIC CONTINUA.
AD-642 132 20K T67 01 HC$ 3.00 MF$ 0.65

THERMODYNAMICS, REFRACTORY MATERIALS
THERMODYNAMICS OF CERTAIN REFRACTORY COMPOUNDS. VOLUME I. DISCUSSION OF THEORETICAL STUDIES. SECTION I-VI.
AD-642 558 11B T67 01 HC$ 3.00 MF$ 0.65

THERMOELASTICITY
EQUATIONS FOR THERMOELASTIC AND VISCOELASTIC CYLINDRICAL SANDWICH SHELLS.
N66-39896 20K S04 24 HC$ 3.00 MF$ 0.65

THERMOELECTRICITY, GENERATORS
MAN-PACK 250 WATT THERMOELECTRIC GENERATOR (REBUILD).
AD-642 488 10B T67 01 HC$ 3.00 MF$ 0.65

THERMONUCLEAR REACTIONS, PLASMA PHYSICS
MAGNETIC PULSE IN A COLD COLLISION-FREE PLASMA.
UCRL-7170 18A N20 22 HC$ 3.00 MF$ 0.65

THERMONUCLEAR REACTIONS, SCIENTIFIC RESEARCH
AEC POLICY AND ACTION PAPER ON CONTROLLED THERMONUCLEAR RESEARCH.
TID-23277 18A N20 22 HC$ 3.00 MF$ 0.65

THERMONUCLEAR REACTIONS, SHOCK WAVES
THERMONUCLEAR SHOCK WAVE STRUCTURE.
AD-489 251 18A U67 01 HC$ 3.00 MF$ 0.65

THERMOPLASTICS, GLASS TEXTILES
COMPOSITE THERMOPLASTIC/GLASS FILAMENT REINFORCEMENT FOR BUOYANT SUBMARINE CABLES RG-372 (XN-1)/U AND RG-373 (XN-1)/U.
AD-642 093 11D T67 01 HC$ 3.00 MF$ 0.65

THIN FILM
DEPOSITION OF THIN FILMS BY ION PLATING ON SURFACES HAVING VARIOUS CONFIGURATIONS.
N66-39548 11F S04 24 HC$ 3.00 MF$ 0.65

CONDUCTION THROUGH THIN TITANIUM DIOXIDE FILMS.
N66-39934 20L S04 24 HC$ 3.00 MF$ 0.65

A STUDY OF THE INTERACTIONS OF MAGNETIC MATERIALS USING COUPLED FILMS WITH A CLOSED FLUX GEOMETRY, APRIL 1965 - JULY 1966.
N66-39960 20L S04 24 HC$ 3.00 MF$ 0.65

THIN FILM STORAGE DEVICES, SHIELDING
SATURABLE SHIELDING, A TECHNIQUE FOR NONLINEAR COUPLING IN MAGNETIC CIRCUITS.
AD-642 175 9B T67 01

THIN FILM STORAGE DEVICES, SIGNALS
CONTENT-ADDRESSED MEMORY USING MAGNETO- OR ELECTRO-OPTICAL INTERROGATION.
AD-642 193 9B T67 01

THIOSULFATES, MOLECULAR ENERGY LEVELS
ELECTRONIC STRUCTURE OF SULFATE, THIOSULFATE, AND RELATED IONS. I. CALCULATION OF MOLECULAR ORBITAL ENERGY LEVELS.
AD-642 570 7D T67 01

THIOSULFATES, MOLECULAR ORBITALS
ELECTRONIC STRUCTURE OF SULFATE, THIOSULFATE, AND RELATED IONS. II. ESR SPECTRA OF SO4(-) AND S2O3(-).
AD-642 571 7D T67 01

THORIUM, LINE SPECTRUM
AVERAGES OF INTERFEROMETRIC MEASUREMENTS OF THORIUM LINES.
ANL-7209 7B N20 22 HC$ 3.00 MF$ 0.65

THREE-BODY PROBLEM
RESEARCH IN STABILITY OF PERIODIC MOTIONS QUARTERLY PROGRESS REPORT, 5 MAY - 4 AUG. 1966.
N66-38835 3C S04 24 HC$ 3.00 MF$ 0.65

ANALYTICAL FLOW THEORY IN THE THREE BODIES PROBLEM WITH THE USE OF REGULARIZING VARIABLES.
N66-39400 3C S04 24 HC$ 3.00 MF$ 0.65

GENERALIZATION OF THE BIRKHOFF REGULARIZATION OF THE THREE SPACE BODIES PROBLEM.
N66-39401 3C S04 24 HC$ 3.00 MF$ 0.65

THRUST AUGMENTATION
ANALYSES FOR TURBOJET THRUST AUGMENTATION WITH FUEL-RICH AFTERBURNING OF HYDROGEN, DIBORANE, AND HYDRAZINE.
N66-39623 21E S04 24 HC$ 3.00 MF$ 0.65

THRUST MEASUREMENT
MODIFICATION OF GOVERNMENT-OWNED THRUST STAND SYSTEM.
N66-39972 14B S04 24 HC$ 3.00 MF$ 0.65

THRUST VECTOR CONTROL (TVC)
DIGITAL COMPENSATION OF THE THRUST VECTOR CONTROL SYSTEM.
N66-39907 17G S04 24 HC$ 3.00 MF$ 0.65

THRUSTOR
PROGRAM TO DEVELOP AND DEMONSTRATE METHOD TO DEFLECT BEAM FOR ION THRUSTOR FINAL PROGRESS REPORT, 6 DEC. 1965 - 6 JUN. 1966.
N66-39927 21C S04 24 HC$ 3.00 MF$ 0.65

PROMISES AND POTENTIALITIES OF ELECTRIC PROPULSION STATUS OF THRUSTOR PERFORMANCE.
N66-39974 21C S04 24 HC$ 3.00 MF$ 0.65

THRUST-WEIGHT RATIO
PROMISES AND POTENTIALITIES OF ELECTRIC PROPULSION STATUS OF THRUSTOR PERFORMANCE.
N66-39974 21C S04 24 HC$ 3.00 MF$ 0.65

THYRATRON
DEVELOPMENT OF HIGH-TEMPERATURE, GAS-FILLED, CERAMIC RECTIFIERS, THYRATRONS, AND VOLTAGE-REFERENCE TUBES FINAL REPORT, DEC. 15, 1964 - JAN. 26, 1966.
N66-39887 9A S04 24 HC$ 3.00 MF$ 0.65

TIDES, MEXICO GULF
CIRCULATION OVER THE CONTINENTAL MARGIN OF THE NORTHEAST GULF OF MEXICO.
AD-642 087 8C T67 01 HC$ 3.00 MF$ 0.65

TILT-WING AIRCRAFT
AERODYNAMIC DATA ON A LARGE SEMISPAN TILTING WING WITH A 0.9 DIAMETER CHORD, A DOUBLE-SLOTTED FLAP, AND LEFT-HAND AND RIGHT-HAND ROTATION OF A SINGLE PROPELLER, IN PRESENCE OF FUSELAGE.
N66-39533 1C S04 24 HC$ 3.00 MF$ 0.65

TIME DELAY
A CRITICAL TRACKING TASK FOR MAN-MACHINE RESEARCH RELATED TO THE OPERATOR S EFFECTIVE DELAY TIME. PART I - THEORY AND EXPERIMENTS WITH A FIRST-ORDER DIVERGENT CONTROLLED ELEMENT.
N66-39893 9H S04 24 HC$ 3.00 MF$ 0.65

TIME RESPONSE
EARTH/LUNAR HORIZON SENSOR PROGRAM ADDENDUM TO PHASE IA STUDY REPORT.
N66-38942 20F S04 24 HC$ 3.00 MF$ 0.65

TIN ALLOYS, BAND THEORY OF SOLIDS
BAND STRUCTURE AND LASER ACTION IN PB(X)SN(1-X)TE.
AD-642 225 20E T67 01

TIN ALLOYS, INFRARED PHENOMENA
TEMPERATURE DEPENDENCE OF THE FAR-INFRARED REFLECTIVITY OF MAGNESIUM STANNIDE.

AD-642 632 20L T67 01

TIN, REFINING(METALLURGY)
THE UPGRADING OF TIN ORE BY CONTINUOUS AGGLOMERATION,
AD-642 453 11F T67 01

TISSUE CULTURE CELLS, OXIDATION-REDUCTION REACTIONS
OXIDATION-REDUCTION POTENTIAL AND PH PATTERNS OBTAINED IN GROWTH OF EARLE S STRAIN L CELLS IN INSTRUMENTED ROUX BOTTLES,
AD-642 008 6M T67 01

TISSUE CULTURE CELLS, YELLOW FEVER VIRUS
ATTENUATION OF AEROSOLIZED YELLOW FEVER VIRUS AFTER PASSAGE IN CELL CULTURE,
AD-642 478 6M T67 01

TITANIUM ALLOY
RESEARCH AND DEVELOPMENT FOR FABRICATING A SIMULATED TITANIUM ALLOY Y-RING SEGMENT FOR THE S-IC FUEL TANK PHASE I AND II REPORT, 30 JUN. 1965 - 11 FEB. 1966.
N66-38864 13H S04 24 HC$ 3.00 MF$ 0.65

EFFECT OF NUCLEAR RADIATION ON MATERIALS AT CRYOGENIC TEMPERATURES QUARTERLY REPORT NO. 4, APR. 21 - JUL. 21, 1966.
N66-39926 18J S04 24 HC$ 3.00 MF$ 0.65

TITANIUM ALLOYS, STRESS CORROSION
AN ANNOTATED BIBLIOGRAPHY OF RECENT PAPERS AND REPORTS ON THE SUBJECT OF AMBIENT TEMPERATURE AQUEOUS STRESS-CORROSION CRACKING OF TITANIUM AND TITANIUM ALLOYS,
AD-642 128 11F T67 01 HC$ 3.00 MF$ 0.65

TITANIUM COMPOUNDS, COMPLEX COMPOUNDS
A STUDY OF THE CHEMISTRY AND STRUCTURE OF COMPLEX 5-CO-ORDINATION COMPOUNDS,
AD-642 383 7B T67 01 HC$ 3.00 MF$ 0.65

TITANIUM COMPOUNDS, DIOXIDES
TITANIUM DIOXIDE ACTIVE FILM DEVICES,
AD-642 056 9A T67 01 HC$ 3.00 MF$ 0.65

TITANIUM OXIDE
CONDUCTION THROUGH THIN TITANIUM DIOXIDE FILMS,
N66-39934 20L S04 24 HC$ 3.00 MF$ 0.65

TITANIUM, STRESS CORROSION
AN ANNOTATED BIBLIOGRAPHY OF RECENT PAPERS AND REPORTS ON THE SUBJECT OF AMBIENT TEMPERATURE AQUEOUS STRESS-CORROSION CRACKING OF TITANIUM AND TITANIUM ALLOYS,
AD-642 128 11F T67 01 HC$ 3.00 MF$ 0.65

TOOL
REPORT ON EXPLOSIVE SIZING OF 78-INCH DIAMETER WELDED ALUMINUM PREFORMS FROM 5086, 2014 T4 AND 2014 T6 MATERIAL FINAL REPORT, 5 DEC. 1961 - 30 MAR. 1962.
N66-39716 13H S04 24 HC$ 3.00 MF$ 0.65

TOOL STEEL, ANISOTROPY
STRAIN RATE, STRAIN, AND TEMPERATURE RELATION TO ANISOTROPY IN H11 STEEL,
AD-642 398 11F T67 01 HC$ 3.00 MF$ 0.65

TOOLING
RESEARCH AND DEVELOPMENT FOR FABRICATING A SIMULATED TITANIUM ALLOY Y-RING SEGMENT FOR THE S-IC FUEL TANK PHASE I AND II REPORT, 30 JUN. 1965 - 11 FEB. 1966.
N66-38864 13H S04 24 HC$ 3.00 MF$ 0.65

TOPOLOGY, INFORMATION RETRIEVAL
TOPOLOGICAL STRUCTURES OF INFORMATION RETRIEVAL SYSTEMS,
AD-642 501 5B T67 01 HC$ 3.00 MF$ 0.65

TOPPING CYCLE
ANALYSIS OF TOPPING AND BLEED TURBOPUMP UNITS FOR HYDROGEN-PROPELLED NUCLEAR ROCKETS,
N66-39615 21F S04 24 HC$ 3.00 MF$ 0.65

TOWED BODY
TOWED VEHICLE SYSTEMS,
N66-39407 1B S04 24 HC$ 3.00 MF$ 0.65

TOXIC TOLERANCES, ACRYLIC RESINS
TOXICITY OF ALKYL 2-CYANOACRYLATES,
AD-642 535 6E T67 01

TOXINS + ANTITOXINS, CHEMICAL PROPERTIES
CHEMICAL AND BIOLOGICAL PROPERTIES OF REDUCED AND ALKYLATED STAPHYLOCOCCAL ENTEROTOXIN B,
AD-642 012 6A T67 01

TOXINS + ANTITOXINS, IMMUNOLOGY
THE INFLUENCE OF SPECIFIC ANTIBODY ON THE DISAPPEARANCE OF STAPHYLOCOCCAL ENTEROTOXIN B FROM BLOOD,
AD-642 702 6J T67 01

TRACKING, CONTROL SYSTEMS
THE EFFECT OF CONTROL CRANK SIZE ON TRACKING PERFORMANCE,
AD-128 356 5H U67 01 HC$ 3.00

TRACKING, DISPLAY SYSTEMS
THE EFFECTS OF CONTINUITY IN DISPLAY AND CONTROL MOVEMENT RELATIONSHIPS ON TWO-HAND TRACKING PERFORMANCE,
AD-119 859 5E U67 01 HC$ 3.00

TRACKING, PERFORMANCE(HUMAN)
THE EFFECT ON PERFORMANCE OF VARYING THE DIRECTIONS AND PLANES OF MOVEMENT OF THE CONTROL CRANKS ON A COMPENSATORY TRACKING TASK,
AD-109 248 5H U67 01 HC$ 3.00

UPPER EXTREMITY PROSTHETICS RESEARCH, HUMAN TRACKING, SENSORY MOTOR CONTROL, UNDERWATER RESEARCH FACILITY,
AD-642 314 6E T67 01 HC$ 3.00 MF$ 0.50

TRACKING, TRANSFER OF TRAINING
THE TRANSFER OF TRACKING SKILL AS A FUNCTION OF TASK DIFFICULTY (TARGET SIZE),
AD-109 345 5J U67 01 HC$ 3.00

FACILITATION EFFECTS BETWEEN FOLLOWING AND COMPENSATORY TRACKING TASKS,
AD-126 262 5I U67 01 HC$ 3.00

TRAFFIC, CONTROL SYSTEMS
AN OPTIMIZED AUTOMOBILE CONTROLLER,
PB-173 563 13F U67 01 HC$ 3.00 MF$ 0.65

TRAINING DEVICES, ARTILLERY FIRE
STUDY OF THE PRESENT STATUS OF TRAINING AIDS AND DEVICES IN THE ARMY FIELD ARTILLERY TRAINING PROGRAM,
AD-642 596 5I T67 01 HC$ 3.00 MF$ 0.65

TRAINING DEVICES, EFFECTIVENESS
THE DEVELOPMENT OF AN EVALUATION PROCEDURE FOR TRAINING AIDS AND DEVICES,
AD-642 312 5I T67 01 HC$ 3.00 MF$ 0.65

TRAINING DEVICES, EJECTION SEATS
EFFECTIVENESS OF EJECTION SEAT TRAINING WITH SPECIAL REFERENCE TO SDC DEVICE NO. 6EQ-2,
AD-642 247 5I T67 01 HC$ 3.00 MF$ 0.65

TRAINING DEVICES, HUMAN ENGINEERING
LIGHT ANTIAIRCRAFT TRACER OBSERVATION AND FIRE CONTROL WITH SPECIFIC REFERENCE TO THE TRAINING PROBLEM,
AD-642 527 5I T67 01 HC$ 3.00 MF$ 0.65

TRAINING DEVICES, MILITARY TRAINING
SPECIFIC RECOMMENDATIONS FOR NEW TRAINING AIDS AND DEVICES DEVELOPED AT THE MARINE SUPPLY SCHOOLS, CAMP LEJEUNE, NORTH CAROLINA,
AD-642 504 5I T67 01 HC$ 3.00 MF$ 0.65

TRAINING DEVICES, TACTICAL WARFARE
STUDY OF TRAINING REQUIREMENTS FOR TANK TACTICAL TRAINING,
AD-642 595 5I T67 01 HC$ 3.00 MF$ 0.65

TRAINING DEVICES, TELEVISION EQUIPMENT
TRAINING BY TELEVISION, THE COMPARATIVE EFFECTIVENESS OF INSTRUCTION BY TELEVISION, TELEVISION RECORDINGS, AND CONVENTIONAL CLASSROOM PROCEDURES,
AD-642 396 5I T67 01 HC$ 3.00 MF$ 0.65

TRAINING BY TELEVISION, A STUDY IN LEARNING AND RETENTION,
AD-642 526 5I T67 01 HC$ 3.00 MF$ 0.65

TRAINING, CULTURE
IMITATION, MODELING, AND CROSS-CULTURAL TRAINING,
AD-642 427 5I T67 01 HC$ 3.00 MF$ 0.65

TRAJECTORIES, RADAR TRACKING
MAXIMUM LIKELIHOOD TRAJECTORY DETERMINATION FROM RADAR DATA,
AD-642 334 17I T67 01 HC$ 3.00 MF$ 0.65

TRAJECTORY
AN ANALYTICAL APPROACH TO SOLUTION OF TWO- POINT BOUNDARY CONDITION PROBLEMS IN OPTIMAL GUIDANCE SUMMARY REPORT, MAY 1965 - APR. 1966.
N66-38866 17G S04 24 HC$ 3.00 MF$ 0.65

TRAJECTORY ANALYSIS
THE EFFECTS OF THE NODAL REGRESSION OF THE ORBIT ON THE GRAVITY PRECESSION OF A GYROSCOPIC SATELLITE,
N66-39705 22C S04 24 HC$ 3.00 MF$ 0.65

TRAJECTORY OPTIMIZATION
STUDY OF LOW-ACCELERATION SPACE TRANSPORTATION SYSTEMS TECHNICAL REPORT, JUL. 1964 - JUN. 1965,
N66-38862 22B S04 24 HC$ 3.00 MF$ 0.65

CONFERENCE ON GUIDANCE THEORY AND TRAJECTORY ANALYSIS,
N66-39389 17G S04 24 HC$ 3.00 MF$ 0.65

MINIMUM-FUEL, TWO-IMPULSE, SOFT LUNAR LANDING ORBITS,
N66-39967 22C S04 24 HC$ 3.00 MF$ 0.65

ON OPTIMUM TRANSFER BETWEEN TWO TERMINAL POINTS FOR MINIMUM INITIAL IMPULSE UNDER AN ARBITRARY INITIAL VELOCITY VECTOR,
N66-39983 22C S04 24 HC$ 3.00 MF$ 0.65

TRANSDUCERS, DOCUMENTATION
TRANSDUCER INFORMATION CENTER (TIC),
AD-642 275 4B T67 01 HC$ 3.00 MF$ 0.65

TRANSDUCERS, FILMS
ELECTRON BOMBARDMENT TECHNIQUE FOR DEPOSITION OF CDS FILM TRANSDUCERS,
AD-642 217 14B T67 01

TRANSFER FUNCTION
BOOSTER ATTITUDE STABILIZATION NETWORK SYNTHESIS SUMMARY REPORT,
N66-39718 9C S04 24 HC$ 3.00 MF$ 0.65

DIGITAL COMPENSATION OF THE THRUST VECTOR CONTROL SYSTEM,
N66-39907 17G S04 24 HC$ 3.00 MF$ 0.65

TRANSFER OF TRAINING, TRACKING
THE TRANSFER OF TRACKING SKILL AS A FUNCTION OF TASK DIFFICULTY (TARGET SIZE),

AD-189 345 5J U67 01 HC$ 3.00

FACILITATION EFFECTS BETWEEN FOLLOWING AND COMPENSATORY TRACKING TASKS.
AD-126 262 5I U67 01 HC$ 3.00

TRANSFORMATIONAL GRAMMARS, SYNTAX
RECENT DEVELOPMENTS IN THE MITRE SYNTACTIC ANALYSIS PROCEDURE.
AD-642 338 9B T67 01 HC$ 3.00 MF$ 0.65

TRANSISTOR AMPLIFIERS, INTEGRATED CIRCUITS
UHF INTEGRATED CIRCUIT TECHNOLOGY.
AD-642 593 9E T67 01 HC$ 3.00 MF$ 0.65

TRANSISTORS, FILMS
METAL BASE TRANSISTOR II.
AD-642 524 9A T67 01 HC$ 3.00 MF$ 0.65

TRANSISTORS, MANUFACTURING METHODS
TRANSISTOR, VHF, SILICON, POWER TYPE EL-2N (X-9) 5W 500 MC PEN.
AD-642 134 9A T67 01 HC$ 3.00 MF$ 0.65

TRANSISTORS, RELIABILITY(ELECTRONICS)
RELIABILITY SCREENING USING INFRARED RADIATION.
AD-642 112 14D T67 01 HC$ 3.00 MF$ 0.65

TRANSISTORS, TEST EQUIPMENT(ELECTRONICS)
TRANSISTOR TESTER, MODEL 650, SIMPSON.
PB-173 538 14B U67 01 HC$ 3.00 MF$ 0.65

TRANSITION ELEMENT
SOLUBILITY STUDIES OF ULTRA PURE TRANSITION ELEMENTS IN ULTRA PURE ALKALI METALS.
N66-39542 11F S04 24 HC$ 3.00 MF$ 0.65

TRANSITION PROBABILITY
THE EFFECT OF THE LIFETIME OF AN ATOM UNDERGOING A DIPOLE TRANSITION DUE TO THE PRESENCE OF A RESONATING ATOM.
N66-39394 20H S04 24 HC$ 3.00 MF$ 0.65

TRANSMISSION LINES, UNDERWATER
THE SCOTICE/ICECAN SUBMARINE CABLES.
AD-642 285 17B T67 01

TRANSMITTER-RECEIVERS, AIR TRAFFIC CONTROL SYSTEMS
VHF TRANSCEIVERS FOR LOW-ACTIVITY AIR TRAFFIC CONTROL TOWERS.
AD-642 716 17B T67 01 HC$ 3.00 MF$ 0.65

TRANSMITTER-RECEIVERS, MOUNTING BRACKETS
A PROPOSED UNIVERSAL MOUNTING FOR THE RECEIVER-TRANSMITTER, RATIO RT-( )/APX-72.
AD-642 064 13E T67 01 HC$ 3.00 MF$ 0.65

TRANSONIC CHARACTERISTICS, AERODYNAMIC CONTROL SURFACES
ON CERTAIN TYPES OF SELF-EXCITED OSCILLATION OCCURRING WITH AIRCRAFT CONTROL SURFACES IN TRANSONIC FLOW.
AD-642 156 20D T67 01 HC$ 3.00 MF$ 0.65

TRANSONIC FLOW
EXPERIMENTAL STUDY OF SINGLE DEGREE-OF-FREEDOM FLUTTER IN TRANSONIC FLOW.
N66-39832 S04 24 HC$ 3.00 MF$ 0.65

TRANSONIC FLOW, AIRFOILS
THE FLOW ABOUT A FAMILY OF SIMPLE, BLUNT AND SHARP LEADING-EDGED, TWO-DIMENSIONAL AEROFOILS AT TRANSONIC AND LOW SUPERSONIC SPEEDS.
AD-642 155 20D T67 01 HC$ 3.00 MF$ 0.65

METHODS FOR ANALYSIS OF TWO-DIMENSIONAL AIRFOILS WITH SUBSONIC AND TRANSONIC APPLICATION, ADDENDUM.
AD-642 758 20D T67 01 HC$ 3.00 MF$ 0.65

TRANSONIC WIND TUNNEL
SOME EFFECTS OF FLOW SPOILERS AND OF AERODYNAMIC BALANCE ON THE OSCILLATING HINGE MOMENTS FOR A SWEPT FIN-RUDDER COMBINATION IN A TRANSONIC WIND TUNNEL.
N66-39622 1A S04 24 HC$ 3.00 MF$ 0.65

TRANSPORT COEFFICIENT
BUBBLE FORMATION AND GROWTH - STUDY OF THE BOUNDARY CONDITIONS AT A LIQUID-VAPOR INTERFACE THROUGH IRREVERSIBLE THERMODYNAMICS QUARTERLY PROGRESS REPORT, JUN. - AUG. 1966.
N66-39943 20H S04 24 HC$ 3.00 MF$ 0.65

TRANSPORT PLANES, MILITARY MEDICINE
LOADING OF LITTER PATIENTS IN ARMY AIRCRAFT.
AD-642 371 6E T67 01 HC$ 3.00 MF$ 0.65

TRANSPORT PROPERTIES, STATISTICAL MECHANICS
BOLTZMANN EQUATION APPROACH TO TRANSPORT PHENOMENA.
AD-642 399 7D T67 01 HC$ 3.00 MF$ 0.65

TRANSPORTATION, FEASIBILITY STUDIES
GEOLOGIC SKETCH OF THE PROPOSED NORTHEAST CORRIDOR HIGH-SPEED GROUND TRANSPORT SYSTEM.
PB-173 511 13B U67 01 HC$ 3.00 MF$ 0.65

TRANSPORTATION, TEXAS
SPECTROCHEMICAL ANALYSIS, SPECTROSCOPY, SPECTROPHOTOMETERS, SPECTROPHOTOMETRY, PHOTOMETRY, REFLECTOMETRY, COLORIMETRY, TRI-STIMULUS COLOR, CHROMATOGRAPHY.
PB-173 555 13B U67 01 HC$ 3.00 MF$ 0.65

TRANSPORTATION, URBAN PLANNING
DESIGN FOR IMPACT STUDIES NORTHEAST CORRIDOR TRANSPORTATION PROJECT.
PB-173 484 15E U67 01 HC$ 3.00 MF$ 0.65

TRAVELING-WAVE TUBES, PARAMETRIC AMPLIFIERS
A STRIP-FORM ITERATED TRAVELING WAVE PARAMETRIC AMPLIFIER USING SERIES CONNECTED DIODES.
AD-642 766 9E T67 01 HC$ 3.00 MF$ 0.65

TREE
THE USE OF MULTISPECTRAL SENSING TECHNIQUES TO DETECT PONDEROSA PINE TREES UNDER STRESS FROM INSECT OR PATHOGENIC ORGANISMS ANNUAL PROGRESS REPORT.
N66-39384 2F S04 24 HC$ 3.00 MF$ 0.65

THE FEASIBILITY OF IDENTIFYING FOREST SPECIES AND DELINEATING MAJOR TIMBER TYPES IN CALIFORNIA BY MEANS OF HIGH ALTITUDE SMALL SCALE AERIAL PHOTOGRAPHY ANNUAL PROGRESS REPORT.
N66-39386 2F S04 24 HC$ 3.00 MF$ 0.65

TREES, BIOCHEMISTRY
THE CHEMISTRY OF SECONDARY GROWTH IN TREES INCLUDING RELATED BIOCHEMICAL, BOTANICAL, AND BIOPHYSICAL ASPECTS.
PB-173 547 6C U67 01 HC$ 3.00 MF$ 0.65

TRITIUM, ISOTOPE SEPARATION
ENRICHISSEMENT DU TRITIUM PAR DIFFUSION THERMIQUE. I. CALCUL D UNE INSTALLATION DESTINEE A LA MESURE DU TRITIUM NATUREL (TRITIUM ENRICHMENT BY THERMAL DIFFUSION. I. CALCULATION OF AN INSTALLATION FOR MEASURING NATURAL TRITIUM).
PB-173 538 18B U67 01 HC$ 3.00 MF$ 0.65

TRITON
THE ENERGY REQUIRED TO PRODUCE AN ELECTRON- HOLE PAIR IN SILICON BY TRITONS.
N66-39440 20L S04 24 HC$ 3.00 MF$ 0.65

TRITONS, NUCLEAR SPECTROSCOPY
SPECTROMETRIE DES NEUTRONS DANS UN MASSIF D URANIUM NATUREL AU MOYEN DE LA REACTION 6LI (N,T)4HE A L AIDE DE DETECTEURS A BARRIERE DE SURFACE (NEUTRON SPECTROMETRY IN A NATURAL URANIUM SLAB USING THE 6LI(N,T)4HE REACTION AND SURFACE BARRIER DETECTORS).
PB-173 535 20H U67 01 HC$ 3.00 MF$ 0.65

TROPANE ALKALOIDS, TOXICITY
POTENCY CONVERGENCE AND CROSSOVER IN TERTIARY VS. QUATERNARY TROPINE AMINO ESTERS.
AD-642 491 6T T67 01

TROPOSPHERE, OPTICAL PROPERTIES
COMPARISON OF SEVERAL RADIATION CHARTS.,
AD-642 401 4A T67 01 HC$ 3.00 MF$ 0.65

TUNGSTEN ALLOYS, RUPTURE
CREEP-RUPTURE PROPERTIES OF TUNGSTEN AND TUNGSTEN-BASE ALLOYS,
ORNL-3992 11F N20 22 HC$ 3.00 MF$ 0.65

TUNGSTEN, CREEP
CREEP-RUPTURE PROPERTIES OF TUNGSTEN AND TUNGSTEN-BASE ALLOYS,
ORNL-3992 11F N20 22 HC$ 3.00 MF$ 0.65

TUNNEL
HEAT TRANSFER CHARACTERISTICS OF ARC TUNNEL CONSTRICTORS.
N66-39969 20H S04 24 HC$ 3.00 MF$ 0.65

TURBINE
PERFORMANCE EVALUATION OF THREE-STAGE PROTOTYPE NERVA TURBINE DESIGNED FOR BLADE-JET SPEED RATIO OF 0.107.
N66-39610 21F S04 24 HC$ 3.00 MF$ 0.65

INVESTIGATION OF EIGHT-STAGE BLEED-TYPE TURBINE FOR HYDROGEN PROPELLED NUCLEAR ROCKET APPLICATIONS. II - EXPERIMENTAL OVERALL AND STAGE GROUP PERFORMANCE DETERMINED IN COLD NITROGEN.
N66-39612 21F S04 24 HC$ 3.00 MF$ 0.65

INVESTIGATION OF EIGHT-STAGE BLEED-TYPE TURBINE FOR HYDROGEN PROPELLED NUCLEAR ROCKET APPLICATIONS. I - DESIGN OF TURBINE AND EXPERIMENTAL PERFORMANCE OF FIRST TWO STAGES.
N66-39613 21F S04 24 HC$ 3.00 MF$ 0.65

TURBINES, PERFORMANCE(ENGINEERING)
TURBINE PERFORMANCE PREDICTION OPTIMIZATION USING FLUID DYNAMIC CRITERIA.
AD-642 767 10A T67 01 HC$ 3.00 MF$ 0.65

TURBOJET ENGINE
ALTITUDE PERFORMANCE OF A TURBOJET ENGINE USING PENTABORANE FUEL.
N66-39618 21E S04 24 HC$ 3.00 MF$ 0.65

TURBOPROP ENGINES, FLIGHT TESTING
ALTITUDE TEST, ADVANCED FUEL CONTROL AND COMBUSTION SYSTEM FOR TURBOPROP ENGINES.
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TURBOPROP ENGINES, FUEL SYSTEMS
PHASE REPORT SUMMARIZING COMBUSTION SYSTEM DEVELOPMENT, CONTAMINATED FUEL PROGRAM.
AD-642 363 21E T67 01 HC$ 3.00 MF$ 0.65

TURBOPUMP
ANALYSIS OF TOPPING AND BLEED TURBOPUMP UNITS FOR HYDROGEN-PROPELLED NUCLEAR ROCKETS.
N66-39615 21F S04 24 HC$ 3.00 MF$ 0.65

TURBULENCE, CYLINDRICAL BODIES
THE EFFECTIVENESS OF A SPLITTER PLATE IN REDUCING TRANSVERSE OSCILLATIONS OF A FINITE CIRCULAR CYLINDER IN TURBULENT

FLOW.
AD-642 621 20D T67 01 HC$ 3.00 MF$ 0.65

TURBULENCE, WAKE
LARGE EDDY STRUCTURE OF A TURBULENT WAKE.
AD-642 298 20D T67 01 HC$ 3.00 MF$ 0.65

TURBULENCE, WATER
WEAK HYDRAULIC JUMPS IN SHALLOW WATER.
AD-642 817 20D T67 01

TURBULENT BOUNDARY LAYER
DIRECT MEASUREMENT OF COMPRESSIBLE TURBULENT BOUNDARY LAYER SKIN FRICTION ON A POROUS FLAT PLATE WITH MASS INJECTION FINAL REPORT.
N66-39999 1A S04 24 HC$ 3.00 MF$ 0.65

TWO-PHASE FLOW, HEAT TRANSFER
HEAT TRANSFER STUDIES OF WATER-SPRAY FLOWS,
AD-642 281 20M T67 01 HC$ 3.00 MF$ 0.65

ULTRALOW FREQUENCY, ELECTROMAGNETIC WAVES
INVESTIGATIONS OF ULF-RADIATION.
AD-642 634 20N T67 01 HC$ 3.00 MF$ 0.65

ULTRASONIC RADIATION, ATTENUATION
ULTRASONIC ATTENUATION OF PURE STRONG-COUPLING SUPERCONDUCTORS.
AD-642 104 20L T67 01 HC$ 3.00 MF$ 0.65

ULTRASONIC RADIATION, CHEMICAL EQUILIBRIUM
VELOCITY AND ABSORPTION OF SOUND IN EQUILIBRIUM CHEMICAL SYSTEMS.
AD-642 615 7D T67 01 HC$ 3.00 MF$ 0.65

ULTRASONIC RADIATION, DRAWING(MACHINE PROCESSING)
THE APPLICATION OF ULTRASONIC ENERGY TO METAL WIRE DRAWING.
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ULTRAVIOLET EQUIPMENT, DESIGN
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AD-642 384 20F T67 01 HC$ 3.00 MF$ 0.65

ULTRAVIOLET SPECTROSCOPY, OXYGEN
INFLUENCE OF ATOMIC-OXYGEN ABSORPTION-LINE SERIES ON CROSS-SECTION MEASUREMENTS.
AD-642 118 7D T67 01

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AD-642 321 15G T67 01 HC$ 3.00 MF$ 0.65

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UNDERWATER OBJECT LOCATORS, SONAR EQUIPMENT
A SHIP TWICE LOST AND FOUND,
AD-642 603 17A T67 01

UNDERWATER SOUND SIGNALS, CETACEA
SOUND STRUCTURE AND DIRECTIONALITY IN ORCINUS (KILLER WHALE),
AD-642 443 8A T67 01

UNDERWATER SOUND, ICE
STATISTICAL DESCRIPTION OF NOISE UNDER SHORE-FAST SEA ICE IN WINTER,
AD-642 448 20A T67 01

UNDERWATER SOUND, PRESSURE
FAR FIELD SOUND RADIATION FROM RANDOMLY VIBRATING STRUCTURES,
AD-642 413 20A T67 01 HC$ 3.00 MF$ 0.65

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UNSTEADY HEAT TRANSFER FROM A ROTATING DISK DUE TO A STEP CHANGE IN LOCAL WALL HEAT FLUX WITH LARGE SUCTION.
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UPPER ATMOSPHERE
CHARGED PARTICLE TEMPERATURES AND ELECTRON THERMAL CONDUCTIVITY IN THE UPPER ATMOSPHERE SCIENTIC REPORT NO. 276.
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UPPER ATMOSPHERE, CHARGED PARTICLES
SEVERAL OBSERVATIONS OF LOW-ENERGY PROTONS AND ELECTRONS IN THE EARTH S MAGNETOSPHERE WITH OGO 3,
AD-642 629 4A T67 01 HC$ 3.00 MF$ 0.65

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A REVALUATION OF THE ROTATIONAL SPEED OF THE UPPER ATMOSPHERE,
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THE ROTATIONAL SPEED OF THE UPPER ATMOSPHERE A REVIEW,
AD-642 136 4A T67 01 HC$ 3.00 MF$ 0.65

URANIUM COMPOUNDS, DIOXIDES
LE SYSTEME URANIUM-DIOXYDE D URANIUM A HAUTE TEMPERATURE (THE URANIUM DIOXIDE-URANIUM SYSTEM AT HIGH TEMPERATURE),
PB-173 571 18J U67 01 HC$ 3.00 MF$ 0.65

URANIUM COMPOUNDS, HEALTH PHYSICS
CHARACTERIZATION OF Y-12 URANIUM PROCESS MATERIALS CORRELATED WITH IN VIVO EXPERIENCE,
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THE EFFECTS OF VARIOUS GRADES OF GRAPHITE ELECTRODES ON THE CARRIER DISTILLATION OF IMPURITIES IN U308, SUPPLEMENTAL REPORT MB-100 AND EX-11 GRAPHITES,
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CATHODIC ETCHING TO PREPARE RADIOACTIVE SAMPLES FOR OXYGEN DETERMINATION,
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SPECTROMETRIE DES NEUTRONS DANS UN MASSIF D URANIUM NATUREL AU MOYEN DE LA REACTION 6LI (N,T)4HE A L AIDE DE DETECTEURS A BARRIERE DE SURFACE (NEUTRON SPECTROMETRY IN A NATURAL URANIUM SLAB USING THE 6LI(N,T)4HE REACTION AND SURFACE BARRIER DETECTORS),
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LAND USE INFORMATION,
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URBAN PLANNING, DECISION MAKING
SYSTEM ANALYSIS PROBLEMS, PROGRESS, AND POTENTIAL.
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WATER RECOVERY FROM HUMAN WASTE DURING PROLONGED CONFINEMENT IN THE LIFE SUPPORT SYSTEM EVALUATOR.
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URINE, THALLIUM
COULOMETRIC DETERMINATION OF THALLIUM IN BLOOD AND URINE,
AD-642 339 6A T67 01

VACUUM APPARATUS, STABILITY
ESSAIS DE PROTOTYPES DE JAUGES A VIDE POUVANT TRAVAILLER EN ATMOSPHERE CORROSIVE (FLUOREE) (TRIALS CARRIED OUT ON CORROSIVE (FLUORINATED) ATMOSPHERE VACUUM GAUGES,
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THE CRYSTAL STRUCTURE OF PASCOITE, CA3V10028.17H20,
AD-642 452 20B T67 01

VANADIUM COMPOUNDS, COMPLEX COMPOUNDS
A STUDY OF THE CHEMISTRY AND STRUCTURE OF COMPLEX 5-CO-ORDINATION COMPOUNDS.
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VANADIUM COMPOUNDS, SINGLE CRYSTALS
SINGLE-CRYSTAL GROWTH AND PROPERTIES OF THE PEROVSKITES LAVO3 AND YVO3,
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EVAPORATED AND RECRYSTALLIZED CD S LAYERS TECHNICAL REPORT NO. 11,
N66-39752 20L S04 24 HC$ 3.00 MF$ 0.65

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ELECTRON BOMBARDMENT TECHNIQUE FOR DEPOSITION OF CDS FILM TRANSDUCERS,
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AD-642 197 9E T67 01

VARACTOR DIODES, RESISTANCE(ELECTRICAL)
THE CUTOFF FREQUENCY OF A VARACTOR DIODE WITH VARIABLE SERIES RESISTANCE,
AD-642 168 9A T67 01

VARIABLE GEOMETRY STRUCTURE
ANALYTICAL STUDY OF AERODYNAMIC MEANS OF CONTROLLING SUPERSONIC INLET FLOW, PART I TECHNICAL REPORT NO. 495 B.
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ASSAY OF VARIOLA VIRUS BY THE FLUORESCENT CELL-COUNTING TECHNIQUE,
AD-642 465 6M T67 01

VECTOR ANALYSIS
ON OPTIMUM TRANSFER BETWEEN TWO TERMINAL POINTS FOR MINIMUM INITIAL IMPULSE UNDER AN ARBITRARY INITIAL VELOCITY VECTOR.
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INFECTION OF PIGEONS BY AIRBORNE VENEZUELAN EQUINE ENCEPHALITIS VIRUS,
AD-642 471 6M T67 01

STUDIES OF THE RESPONSE OF WHITE CARNEAU PIGEONS TO RESPIRATORY AND SUBCUTANEOUS DOSES OF VENEZUELAN EQUINE ENCEPHALITIS VIRUS,
AD-642 476 6M T67 01

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DYNAMICS OF MULTIPLICATION OF THE VEE VIRUS IN TISSUE CULTURE CELLS,
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FURTHER CAVITATION DAMAGE CHARACTERISTICS IN A CAVITATING VENTURI USING WATER AND MERCURY AS TEST FLUIDS TECHNICAL REPORT NO. 20.
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TIMED PHRASES.
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RANDOM VIBRATION OF MULTI DEGREE OF FREEDOM HYSTERETIC STRUCTURES.
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PRESELECTION OF HEMOLYTIC VARIANTS OF EL TOR VIBRIOS.
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N66-39924 14E S04 24 HC$ 3.00 MF$ 0.65

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ASSESSMENT OF EXPERIMENTAL AND NATURAL VIRAL AEROSOLS.
AD-642 469 6M T67 01

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AUTHOR S COMMENTS ON THE DISCUSSION.
AD-642 472 6M T67 01

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EXPERIMENTAL AND THEORETICAL STUDY OF THE VISCOSEAL.
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PHENOMENAL SLANT AS A FUNCTION OF AMBIGUITY OF CONTOUR PERSPECTIVE.
AD-642 552 5J T67 01

VISUAL PERCEPTION, OPTICAL IMAGES
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AD-642 328 6P T67 01

VISUAL PERCEPTION, VISUAL SIGNALS
EFFECTS OF STIMULUS-NUMEROSITY UPON DISTANCE ESTIMATES.
AD-642 699 5J T67 01

VISUAL SIGNALS, ILLUMINATION
INTERSECTION AND SIGN ILLUMINATION FOR HIGHWAY SAFETY AND EFFICIENCY.
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THE ABILITY TO FILTER NOISE FROM A VISUAL TASK WHEN THE NOISE AND SIGNAL ARE PRESENTED SEQUENTIALLY.
AD-642 562 5J T67 01

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HIGHWAY SIGNING RESEARCH. PHASE II. CHARACTERIZATION OF SIGN-FACING MATERIALS.
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THE AMERICAN STANDARD VOCABULARY FOR INFORMATION PROCESSING.
AD-642 587 9B T67 01

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TECHNICAL DATA AND STANDARDIZATION GLOSSARY.
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RESISTIVE DIVIDER MODEL PA-687-1, EPSCO.
PB-173 526 14B U67 01 HC$ 3.00 MF$ 0.65

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AUTOMATIC POTENTIOMETRIC EDTA AND REDOX TITRATIONS FOR DETERMINATIONS OF STOICHIOMETRY.
AD-642 169 7B T67 01

VOLUMETRIC ANALYSIS, HYDROGEN PEROXIDE
DIRECT COULOMETRIC TITRATION OF HYDROGEN PEROXIDE WITH ELECTROGENERATED HYPOBROMITE.
AD-642 538 7B T67 01

VOLUMETRIC ANALYSIS, OXIDIZERS
COULOMETRIC TITRATION OF OXIDIZING AGENTS WITH ELECTROGENERATED MOLYBDENUM(V).
AD-642 691 7B T67 01

VORTICES, CYLINDRICAL BODIES
EXPERIMENTAL STUDY OF VORTEX FLOW IN A CYLINDER.
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VORTICES, THEORY
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VORTICES, WAKE
ON VORTEX STREET WAKES.
AD-642 149 20D T67 01 HC$ 3.00 MF$ 0.65

WAKE, FLUID DYNAMIC PROPERTIES
LARGE EDDY STRUCTURE OF A TURBULENT WAKE.
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WAKE, FLUID MECHANICS
RECENT DEVELOPMENTS IN THE FLUID MECHANICS OF HYPERSONIC WAKES.
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WAKE, VORTICES
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WALL TEMPERATURE
UNSTEADY HEAT TRANSFER FROM A ROTATING DISK DUE TO A STEP CHANGE IN LOCAL WALL HEAT FLUX WITH LARGE SUCTION.
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WASTE DISPOSAL
APPLICATION OF IMMOBILIZED BIOLOGICAL AGENTS TO WASTE TREATMENT FINAL REPORT, 25 MAY 1965 - 26 JUL. 1966.
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WATER
AGES OF PLUTONIUM-BERYLLIUM NEUTRONS IN TUNGSTEN-WATER MEDIA.
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FEASIBILITY OF A CHEMICAL POISON LOOP SYSTEM.
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USE OF LASER RADIATION TO DETERMINE SCANNING FUNCTIONS AND LINE WIDTHS AND INTENSITIES OF NU 2 WATER VAPOR LINES.
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WATER VAPOR, SEPARATION
WATER AND CARBON REMOVAL FROM CARBON DIOXIDE REDUCTION SYSTEMS.
AD-642 594 6K T67 01 HC$ 3.00 MF$ 0.65

WATER WAVES, ABSORPTION
COMPLIANT WATER WAVE ABSORBERS - PART 2.
AD-642 117 13J T67 01 HC$ 3.00 MF$ 0.65

WATER, MOLECULAR ASSOCIATION
ELECTROSTRICTION AND THE DEHYDRATION OF IONS UNDER PRESSURE.
AD-642 528 7D T67 01 HC$ 3.00 MF$ 0.65

WATER, MOLECULES
SLOW NEUTRON SCATTERING KERNELS FOR H20 AT 423 DEG K AND 550 DEG K.
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WATER, TURBULENCE
WEAK HYDRAULIC JUMPS IN SHALLOW WATER.
AD-642 017 20D T67 01

WAVE FUNCTIONS, LITHIUM COMPOUNDS
PERTURBATION THEORY OF CONSTRAINTS APPLICATION TO A LITHIUM HYDRIDE CALCULATION.
AD-642 034 7D T67 01

WAVE PROPAGATION
PROPAGATION OF WAVES OF FINITE AMPLITUDE IN THERMOVISCOUS MEDIA.
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WAVE REFLECTION
A STUDY OF THE DEPOLARIZATION OF LUNAR RADAR ECHOES.
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A STUDY OF LASER WAVE SCATTERING DUE TO REFRACTIVE INDEX PERTURBATIONS IN THE PROPAGATING MEDIUM FINAL REPORT, 5 OCT. 1965 - 15 AUG. 1966.
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SQUARE-WAVE GENERATOR TS-503/U, TS-503A/U, TS-503B/U, HEWLETT-PACKARD 210A, LA VOIE E-136204.
PB-173 518 14B U67 01 HC$ 3.00 MF$ 0.65

WAVEGUIDE SWITCHES, MILLIMETER WAVES
FAST MILLIMETER FERRITE LATCHING SWITCH.
AD-642 143 9A T67 01 HC$ 3.00 MF$ 0.65

WEAPON SYSTEMS, SCIENTIFIC RESEARCH
FIRST INTERIM REPORT ON PROJECT WINDSIGHT (SUMMARY).
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A THREE-LEVEL NONLINEAR PREDICTION MODEL IN SPHERICAL COORDINATES.
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ELECTRICAL MAINTENANCE PROGRAM WITHIN THE MANUFACTURING ENGINEERING LABORATORY.
N66-39922 9C S04 24 HC$ 3.00 MF$ 0.65

WELDS, NON-DESTRUCTIVE TESTING
STUDY OF INSPECTION METHODS AND QUALITY CONTROL FOR WELDED HIGHWAY STRUCTURES.
AD-642 554 13H T67 01

WET CELLS, ELECTROCHEMISTRY
CHEMOELECTRIC ENERGY CONVERSION FOR NONAQUEOUS RESERVE BATTERIES.
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WHISTLERS, RADIOFREQUENCY SPECTROSCOPY
THE HOOK WHISTLER--A NEW EQUATORIAL WHISTLER OBSERVED BY INJUN 3.
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WIND TUNNEL
STUDY OF CROSS-CORRELATION SYSTEMS ANALYSES FINAL REPORT, JUN. 29, 1965 - AUG. 31, 1966.
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WIND TUNNELS, INSTRUMENTATION
INSTRUMENTATION, TECHNIQUES AND ANALYSIS USED AT THE NAVAL ORDNANCE LABORATORY FOR THE DETERMINATION OF DYNAMIC DERIVATIVES IN THE WIND TUNNEL.
AD-642 543 14B T67 01 HC$ 3.00 MF$ 0.65

WINDOW
ACOUSTICAL AND VIBRATIONAL STUDIES RELATING TO AN OCCURRENCE OF SONIC BOOM INDUCED DAMAGE TO A WINDOW GLASS IN A STORE FRONT.
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WIND, BALLISTICS
BALLISTIC WINDS STUDY.
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WING LOADING
ANALYSIS OF FLIGHT-DETERMINED AND PREDICTED EFFECTS OF FLEXIBILITY ON THE STEADY-STATE WING LOADS OF THE B-52 AIRPLANE.
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WING PLANFORM
SUBSONIC AND SUPERSONIC FLUTTER ANALYSIS OF A HIGHLY TAPERED SWEPT-WING PLANFORM, INCLUDING EFFECTS OF DENSITY VARIATION AND FINITE WING THICKNESS, AND COMPARISON WITH EXPERIMENTS.
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WINGS, COMPOSITE MATERIALS
APPLICATIONS AND OPTIMIZATIONS OF STRUCTURAL COMPOSITES FOR AIRCRAFT WINGS.
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WIRE
EVALUATION OF HIGH TEMPERATURE STRANDED HOOK-UP WIRE.
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WOOD, CHEMICAL ANALYSIS
CHEMICAL METHODS OF DIFFERENTIATING THE WOOD OF SEVERAL WESTERN CONIFERS.
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ISOLEMENT PAR GRADIENT DE SACCHAROSE D UNE PARTICULE LEGERE INDUCTIBLE IN VITRO POUR LA BETA-GALACTOSIDASE LOCALISATION DE LA RNA-POLYMERASE DANS LA STRUCTURE MEMBRANAIRE (SEPARATION BY SUCROSE GRADIENT OF A LIGHT PARTICLE INDUCIBLE IN VITRO FOR BETA-GALACTOSIDASE LOCALIZATION OF THE RNA-POLYMERASE IN THE MEMBRANOUS STRUCTURE),
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EVAPORATED AND RECRYSTALLIZED CD S LAYERS TECHNICAL REPORT NO. 11.
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RESEARCH ON THE UTILIZATION OF PATTERN RECOGNITION TECHNIQUES TO IDENTIFY AND CLASSIFY OBJECTS IN VIDEO DATA TECHNICAL PROGRESS REPORT NO. 3, 20 MAY - 29 JUL. 1966.
N66-39917 14E S04 24 HC$ 3.00 MF$ 0.65

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PLANE STRESS CYCLIC FLAW GROWTH OF 2219- T87 ALUMINUM AND 9 A1-2.5 SN ELI TITANIUM ALLOYS AT ROOM AND CRYOGENIC TEMPERATURES FINAL REPORT, 1 JUL. 1964 - 1 MAY 1966.
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AERODYNAMIC DATA ON A LARGE SEMISPAN TILTING WING WITH A 0.5 DIAMETER CHORD, A DOUBLE-SLOTTED FLAP, AND LEFT-HAND AND RIGHT-HAND ROTATION OF A SINGLE PROPELLER, IN PRESENCE OF FUSELAGE.
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DEVELOPMENT OF SENSORS TO OBTAIN IN-FLIGHT ABLATION MEASUREMENTS OF THERMAL-PROTECTION MATERIALS.
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STABILITY AND CONTROL CHARACTERISTICS AT MACH NUMBERS OF 1.41 AND 2.20 OF A MULTIMISSION STOL AIRPLANE CONFIGURATION WITH A VARIABLE-SKEW WING.
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EXPERIMENTAL EVALUATION OF THROAT INSERTS IN A STORABLE-PROPELLANT ROCKET ENGINE.
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BENDING STRENGTH OF A LARGE THIN-WALLED PRESSURE-STABILIZED CYLINDER BEYOND ONSET OF COMPRESSIVE SKIN WRINKLING.
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PERFORMANCE EVALUATION OF THREE-STAGE PROTOTYPE NERVA TURBINE DESIGNED FOR BLADE-JET SPEED RATIO OF 0.167.
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INVESTIGATION OF EIGHT-STAGE BLEED-TYPE TURBINE FOR HYDROGEN PROPELLED NUCLEAR ROCKET APPLICATIONS. II - EXPERIMENTAL OVERALL AND STAGE GROUP PERFORMANCE DETERMINED IN COLD NITROGEN.
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INVESTIGATION OF EIGHT-STAGE BLEED-TYPE TURBINE FOR HYDROGEN PROPELLED NUCLEAR ROCKET APPLICATIONS. I - DESIGN OF TURBINE AND EXPERIMENTAL PERFORMANCE OF FIRST TWO STAGES.
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CAVITATION PERFORMANCE OF AN 83 DEG HELICAL INDUCER OPERATED IN LIQUID HYDROGEN.
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ALTITUDE PERFORMANCE OF A TURBOJET ENGINE USING PENTABORANE FUEL.
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THE APPLICATION OF THE INDIRECT HAEMAGGLUTINATION TEST IN RECENT STUDIES ON THE IMMUNO-EPIDEMIOLOGY OF HUMAN MALARIA AND THE IMMUNE RESPONSE IN EXPERIMENTAL MALARIA,
AD-642 669 6E T67 01

SEATO MEDICAL RESEARCH LAB., BANGKOK (THAILAND).
FALCIPARUM MALARIA TRANSMISSION TO THE GIBBON BY ANOPHELES

BALABACENSIS.
AD-642 685 6C T67 01

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PRESELECTION OF HEMOLYTIC VARIANTS OF EL TOR VIBRIOS.
AD-642 602 6M T67 01

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AD-642 563 7E T67 01

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A STUDY OF THE CHEMISTRY AND STRUCTURE OF COMPLEX 5-CO-ORDINATION COMPOUNDS.
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REVIEW OF THE RECENT OPERATIONAL AND IRRADIATION TESTING PROGRAMME OF THE DOUNREAY FAST REACTOR.
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THE REACTIONS OF FREE RADICALS CONTAINING NITROGEN.
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REACTIONS OF DIFLUOROAMINO-RADICALS. PART I. HYDROGEN ABSTRACTION FROM ACETONE AND THE STRENGTH OF THE C-H BOND IN ACETONE.
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THE ELECTRIC AND MAGNETIC FIELDS AT THE SURFACE OF A FLAT CONDUCTING EARTH IN THE NEAR FIELD OF AN OSCILLATING LINE CURRENT,
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BIOMEDICAL ENGINEERING GROUP,
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AD-642 638 6A T67 01

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IN-1014 20H N20 22 HC$ 3.00 MF$ 0.65
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USBM-RC-1249 11F N20 22 HC$ 3.00 MF$ 0.65
CONTRACT AT(11-1)-69
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CONTRACT DA-36-039-AMC-02282(E)
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AD-455 912 9A U67 01 HC$ 3.00
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CONTRACT DA-36-039-AMC-03712(E)
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CONTRACT DA-36-039-AMC-06180(E)
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CONTRACT DA-36-039-AMC-06186(E)
AD-642 768 9A T67 01 HC$ 3.00 MF$ 0.65
CONTRACT DA-36-039-03200(E)
AD-642 630 12A T67 01
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AD-642 141 13G T67 01 HC$ 3.00 MF$ 0.65
CONTRACT DA-44-009-AMC-1552(T)
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CONTRACT DA-44-177-AMC-249(T)
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CONTRACT DA-44-188-ARO-2
AD-642 697 5I T67 01 HC$ 3.00 MF$ 0.65
CONTRACT DA-49-092-ARO-7
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CONTRACT DA-49-186-AMC-55(D)
AD-642 188 14B T67 01 HC$ 3.00 MF$ 0.65
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AD-453 132 6E U67 01 HC$ 3.00
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CONTRACT DA-49-193-MD-2566
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CONTRACT FA-2352
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CONTRACT NAONR-13-47
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CONTRACT NAS9-3916
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CONTRACT NONR-1509(08)
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CONTRACT NONR-220(19)
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CONTRACT NOVR-225(83)
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CONTRACT NOVR-2300(23)
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CONTRACT NOVR-233(73)
AD-642 424 12B T67 01
CONTRACT NOVR-266(93)
AD-642 718 20E T67 01
CONTRACT NOVR-2771(05)
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AD-642 139 7C T67 01
CONTRACT NOVR-3436(00)
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AD-642 580 5I T67 01 HC$ 3.00 MF$ 0.65
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CONTRACT NOVR-4306(00)
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AD-642 527 5I T67 01 HC$ 3.00 MF$ 0.65
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AD-642 532 6P T67 01
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AD-642 540 20E T67 01 HC$ 3.00 MF$ 0.65
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AD-642 634 20N T67 01 HC$ 3.00 MF$ 0.65
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AD-642 636 12A T67 01 HC$ 3.00 MF$ 0.65
AD-642 637 6A T67 01
AD-642 638 6A T67 01

| | | | | | | | | | |
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| AD-642 539 | 6R | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AD-642 750 | 20D T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 540 | 6N | T67 | 01 | | | | | AD-642 751 | 12A T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 541 | 8G | T67 | 01 | | | | | AD-642 752 | 9E T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 542 | 6E | T67 | 01 | | | | | AD-642 753 | 12A T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 543 | 8L | T67 | 01 | | | | | AD-642 754 | 20D T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 544 | 6E | T67 | 01 | | | | | AD-642 755 | 12A T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 545 | 6M | T67 | 01 | | | | | AD-642 756 | 20D T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 546 | 6E | T67 | 01 | | | | | AD-642 757 | 12A T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 547 | 6E | T67 | 01 | | | | | AD-642 758 | 12A T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 548 | 6E | T67 | 01 | | | | | AD-642 759 | 6R T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 549 | 6E | T67 | 01 | | | | | AD-642 760 | 7B T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 550 | 6C | T67 | 01 | | | | | AD-642 761 | 12B T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 551 | 6E | T67 | 01 | | | | | AD-642 762 | 28K T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 552 | 6M | T67 | 01 | | | | | AD-642 763 | 17B T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 553 | 6E | T67 | 01 | | | | | AD-642 764 | 21D T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 554 | 6E | T67 | 01 | | | | | AD-642 765 | 1C T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 555 | 6E | T67 | 01 | | | | | AD-642 766 | 9E T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 556 | 6F | T67 | 01 | | | | | AD-642 767 | 10A T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 557 | 12A | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AD-642 768 | 9A T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 558 | 6E | T67 | 01 | | | | | AD-642 769 | 10B T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 559 | 6E | T67 | 01 | | | | | AD-642 770 | 17A T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 560 | 6E | T67 | 01 | | | | | AD-642 771 | 20D T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 561 | 6M | T67 | 01 | | | | | AD-642 772 | 8L T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 562 | 6E | T67 | 01 | | | | | AD-642 773 | 9E T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 563 | 6E | T67 | 01 | | | | | AD-642 774 | 9E T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 564 | 6D | T67 | 01 | | | | | AD-642 775 | 4A T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 565 | 12A | T67 | 01 | | | | | AD-642 776 | 14B T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 566 | 6E | T67 | 01 | | | | | AECL-1255 | |
| AD-642 567 | 6E | T67 | 01 | | | | | PB-173 566 | 5B U67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 568 | 28B | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AECL-1384 | |
| AD-642 569 | 6E | T67 | 01 | | | | | PB-173 567 | 5K U67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 570 | 21B | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AEDC-TR-66-148 | |
| AD-642 571 | 20I | T67 | 01 | | | | | N66-39857 | 1A S04 24 HC$ 3.00 MF$ 0.65 |
| AD-642 572 | 20A | T67 | 01 | | | | | AEDC-TR-66-181 | |
| AD-642 573 | 6P | T67 | 01 | | | | | AD-642 333 | 14B T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 574 | 6E | T67 | 01 | | | | | AEDC-TR-66-220 | |
| AD-642 575 | 17B | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AD-642 852 | 13H T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 576 | 6C | T67 | 01 | | | | | AERODYNAMICS RESEARCH-258 | |
| AD-642 577 | 22A | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AD-642 543 | 14B T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 578 | 12A | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AEROSPACE/MECHANICAL SCI-767 | |
| AD-642 579 | 4B | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AD-642 436 | 20D T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 580 | 6P | T67 | 01 | | | | | AFAPL-CONF-67-3 | |
| AD-642 581 | 6S | T67 | 01 | | | | | AD-642 764 | 21D T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 582 | 6S | T67 | 01 | | | | | AFAPL-CONF-67-7 | |
| AD-642 583 | 6D | T67 | 01 | | | | | AD-642 428 | 14B T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 584 | 6E | T67 | 01 | | | | | AFCRL-AFSG-186 | |
| AD-642 585 | 6E | T67 | 01 | | | | | AD-642 429 | 4B T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 586 | 6C | T67 | 01 | | | | | AFCRL-IP-111 | |
| AD-642 587 | 6M | T67 | 01 | | | | | AD-642 430 | 9E T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 588 | 6M | T67 | 01 | | | | | AFCRL-IP-116 | |
| AD-642 589 | 6E | T67 | 01 | | | | | AD-642 426 | 17H T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 590 | 6E | T67 | 01 | | | | | AFCRL-PSRP-259 | |
| AD-642 591 | 7B | T67 | 01 | | | | | AD-642 116 | 20N T67 01 |
| AD-642 592 | 6P | T67 | 01 | | | | | AFCRL-PSRP-264 | |
| AD-642 593 | 6P | T67 | 01 | | | | | AD-642 118 | 7D T67 01 |
| AD-642 594 | 6P | T67 | 01 | | | | | AFCRL-PSRP-268 | |
| AD-642 595 | 6A | T67 | 01 | | | | | AD-642 040 | 20B T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 596 | 6E | T67 | 01 | | | | | AFCRL-62-735 | |
| AD-642 597 | 5I | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AD-286 854 | 20I U67 01 HC$ 3.00 |
| AD-642 598 | 6E | T67 | 01 | | | | | AFCRL-66-12 | |
| AD-642 599 | 5J | T67 | 01 | | | | | AD-642 482 | 7E T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 700 | 8E | T67 | 01 | | | | | AFCRL-66-533 | |
| AD-642 701 | 6E | T67 | 01 | | | | | AD-642 103 | 3B T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 702 | 6J | T67 | 01 | | | | | AFCRL-66-535 | |
| AD-642 703 | 8J | T67 | 01 | | | | | AD-642 430 | 9E T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 704 | 6A | T67 | 01 | | | | | AFCRL-66-586 | |
| AD-642 705 | 6R | T67 | 01 | | | | | AD-642 411 | 17B T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 706 | 6S | T67 | 01 | | | | | AFCRL-66-602 | |
| AD-642 707 | 6S | T67 | 01 | | | | | AD-642 150 | 9B T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 708 | 5A | T67 | 01 | | | | | AFCRL-66-610 | |
| AD-642 709 | 5B | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AD-642 116 | 20N T67 01 |
| AD-642 710 | 20E | T67 | 01 | | | | | AFCRL-66-617 | |
| AD-642 711 | 11C | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AD-642 342 | 20L T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 712 | 9D | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AFCRL-66-621 | |
| AD-642 713 | 17I | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AD-642 429 | 4B T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 714 | 13J | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AFCRL-66-643 | |
| AD-642 715 | 6S | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AD-642 118 | 7D T67 01 |
| AD-642 716 | 17B | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AFCRL-66-653 | |
| AD-642 717 | 19F | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AD-642 426 | 17H T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 718 | 20F | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AFCRL-66-659 | |
| AD-642 719 | 19D | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AD-642 040 | 20B T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 720 | 12A | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AFCRL-66-667 | |
| AD-642 721 | 7B | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AD-642 019 | 20F T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 722 | 14B | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AFCRL-66-675 | |
| AD-642 723 | 21B | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AD-642 634 | 20N T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 724 | 12A | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AFCRL-66-677 | |
| AD-642 725 | 12A | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AD-642 668 | 20B T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 726 | 14B | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AFCRL-66-680 | |
| AD-642 727 | 12A | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AD-642 123 | 20I T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 728 | 4A | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AFCRL-66-681 | |
| AD-642 729 | 4A | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AD-642 415 | 20G T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 730 | 8L | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AFCRL-66-687 | |
| AD-642 731 | 6S | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AD-642 728 | 4A T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 732 | 6Q | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AFCRL-66-708 | |
| AD-642 733 | 4B | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AD-642 154 | 4B T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 734 | 13J | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AFCRL-66-712 | |
| AD-642 735 | 13J | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AD-642 575 | 3B T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 736 | 13J | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AFCRL-66-713 | |
| AD-642 737 | 13J | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AD-642 577 | 3B T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 738 | 13J | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AFCRL-66-731 | |
| AD-642 739 | 13J | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AD-642 153 | 8I T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 740 | 14B | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AFCRL-66-738 | |
| AD-642 741 | 7D | T67 | 01 | | | | | AD-642 729 | 4A T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 742 | 22A | T67 | 01 | | | | | AFCRL-66-745 | |
| AD-642 743 | 21C | T67 | 01 | | | | | AD-642 486 | 3A T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 744 | 20I | T67 | 01 | | | | | AFCRL-66-755 | |
| AD-642 745 | 17I | T67 | 01 | | | | | AD-642 447 | 17H T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 746 | 20D | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AFFDL-TR-66-42 | |
| AD-642 747 | 9E | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AD-642 490 | 28K T67 01 HC$ 3.00 MF$ 0.65 |
| AD-642 748 | 6S | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AFML-TDR-64-126 | |
| AD-642 749 | 6P | T67 | 01 | HC$ | 3.00 | MF$ | 0.65 | AD-642 252 | 7C T67 01 HC$ 3.00 MF$ 0.65 |

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AD-642 041
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AFOSR-65-1930
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AFOSR-66-1975
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22A S04 24 HC$ 3.00 MF$ 0.65

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MS-1468A
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MS-1501
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MS-989
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9D T67 01
20J T67 01
20C T67 01
20L T67 01
20C T67 01
20L T67 01
9B T67 01
9B T67 01
17J T67 01
20N T67 01
20L T67 01
9B T67 01 HC$ 3.00 MF$ 0.65
17B T67 01 HC$ 3.00 MF$ 0.65
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6H T67 01
6E T67 01
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20H S04 24 HCS 3.00 MFS 0.65

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20E T67 01

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6T T67 01

6T T67 01

6O T67 01

6M T67 01

6E T67 01

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6M T67 01

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6M T67 01

6M T67 01

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6A T67 01

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6M T67 01

6C T67 01

9F T67 01

20L T67 01

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20C T67 01

7D T67 01

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11F T67 01

7D T67 01

7D T67 01

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AD-642 296 5J T67 01 HC$ 3.00 MF$ 0.65
AD-642 315 5J T67 01 HC$ 3.00 MF$ 0.65

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___ BOOKS OF 10 COUPONS @ $30.00 EACH FOR PAPER COPY (HC) DOCUMENTS.

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